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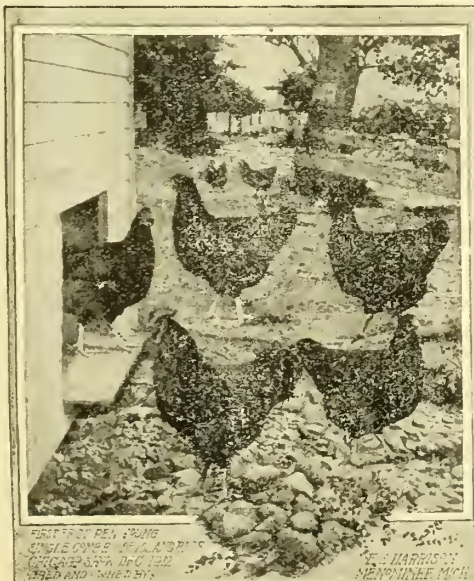
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E. D. Corson, Secretary-Treasurer of the Corson Manufacturing Co., printers and binders, being first duly sworn, states that that company has a contract for and is printing and binding forty-five thousand (45,000) copies of the August, 1914, number of the AMERICAN POULTRY WORLD.
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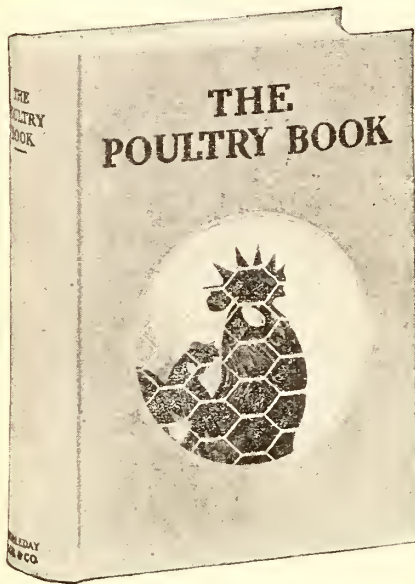
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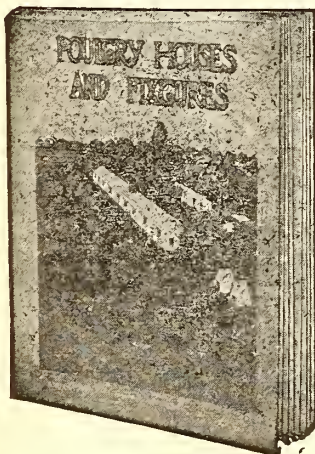
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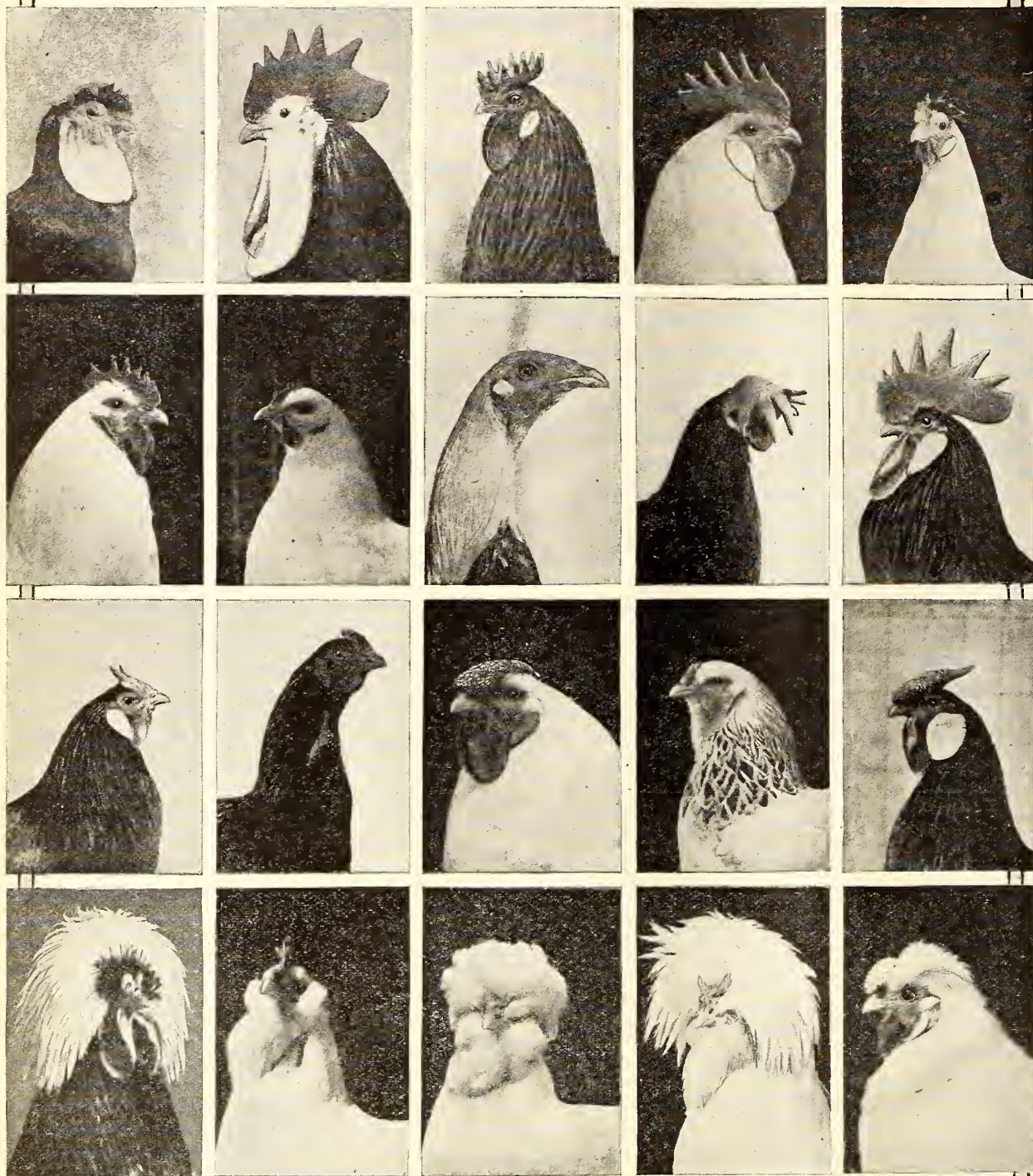
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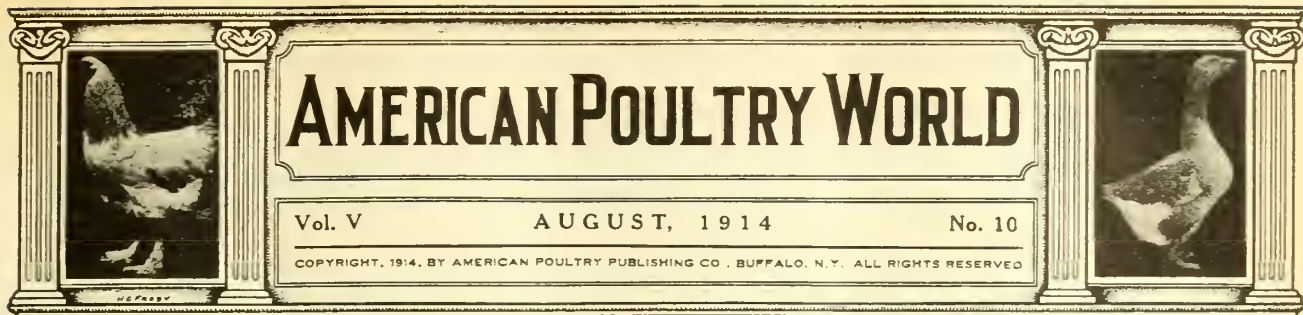
A.P.W.



STUDIES IN THE DEVELOPMENT OF HEAD, COMB & HEAD PLUMAGE
OF STANDARD-BRED POULTRY

A. O. Schilling
1914

It seems nothing short of marvelous to observe the numerous breed characteristics of present day Standard-bred poultry. The fancier has taken the common barn yard fowl and in centuries of breeding he has brought about changes in the formation of skull, comb, wattles, ear lobes and head plumage, which, when compared, one with the other, seem entirely unrelated and appear to be distinct breeds having an origin of their own. Some early writers set forth the claim that the wild jungle fowls or *Gallus Bankiva* is the true and only ancestor of all domesticated poultry, while others claim that such breeds as the *Polands*, *Spanish* and *Silkie* are distinct breeds and are not related to the family or race which undoubtedly originated from the *Gallus Bankiva*. The more popular breeds in America today are a mixture of Asiatic, Mediterranean and English blood lines which claim the jungle fowl as their ancestors, but there seems to be good reason to doubt that the *Silkie* and *Polands* are direct descendants from this race of poultry.—A. O. Schilling.



THE MEANING AND THE APPLICATION OF THE TERM SYMMETRY

SYMMETRY AND ITS APPLICATION DEFINED. WRITER FAVORS ITS RESTORATION TO AMERICAN STANDARD OF PERFECTION, AND PUTS FORTH STRONG ARGUMENTS TO SUSTAIN HIS CONTENTION. SYMMETRY IS TO THE EYE WHAT HARMONY IS TO THE EAR. THE QUESTION TO BE DEBATED PRO AND CON AT THE CHICAGO CONVENTION THIS MONTH

BY FRANK E. HERING, SOUTH BEND, IND.

EDITOR'S NOTE:—By a vote of the members present at the Atlantic City convention one year ago, the word symmetry was dropped from the scale of points in the American Standard of Perfection. Mr. Hering believes that a mistake was made and has filed a resolution with the Revision Committee to have the term symmetry restored to the standard. Among others of the same opinion is Theo. Hewes, editor of Inland Poultry Journal, and who, in the June issue of that paper, comments editorially on the question and compliments Mr. Hering on the stand he has taken.



HAVE been requested by the Editor to submit an article setting forth the reasons on which I base the resolution recently filed with the Revision Committee of the American Poultry Association to restore "symmetry" to the Standard.

This article is intended primarily to lay a foundation for further argument, and is really only a hasty review of the value placed on this important concept in inanimate as well as animate things.

The proposition that symmetry should be excised because a cut for lack of symmetry is in most instances a cut on sections that have already been penalized, does not seem to me well taken; for such argument is based on the assumed incapacity or the ignorance of the judge. If those that favor the elimination of symmetry do so frankly on the ground that most judges do not understand the meaning of the term, and therefore are not competent to score a fowl, the reason, although not very complimentary to the judge, would be worth considering. However, if symmetry is eliminated on the ground that it has no place in the consideration of any perfect object, whether animate or inanimate, having geometrical dimensions, then I submit that the following should be sufficient to defeat the tenability of such position.

SYMMETRY DEFINED

The term symmetry—in Latin and Greek, *symmetria*,—is derived from two Greek words, *syn*—"with" or "together" and *metron* "measure". Its more immediate origin is from the Greek *symmetros*—"measured together". It thus involves the idea that all the parts of the object to which it is applied are taken into consideration in the measurement of each one. The word has no synonym; that is, there is no other single word in the language that expresses the same meaning. Webster thus defines it: "Symmetry—a due proportion of the several parts of the body to each other; adaptation of the several parts of a thing to each other; or the unity and conformity of the members to the whole". Pascal in his "Thoughts" at one place remarks: "Symmetry is what we see at a glance, based on the fact that we recognize no reason for any part being different from what it is". His thought evidently is that the symmetrical appeals to the mind as satisfying and complete. Symmetry has reference to form or color; it is to the eye what harmony is to the ear.

Nature abounds in examples of symmetry. Even the inert minerals in crystalizing obey its laws, and fall into one or the other of 32 classes of symmetrical crystalline forms. The foliation of plants, the position of branches on the stem, and of buds on the branch, and the arrangement of the sepals, petals and pistils in the perfect flower, on every hand exhibit the symmetry that rules the vege-

table world. In animal forms not only are the two sides mutually symmetrical, but in the perfect animal there is throughout that "due proportion of the several parts of the body to each other" which constitutes symmetry. If this is lacking we regard the man, beast, bird or bud more or less deformed. A fine type of animal symmetry is found in the Arabian horse, whose beauty has been admired for centuries.

ART AND NATURE

Art has copied nature in its obedience to the laws of symmetry. This is particularly evident in architecture, sculpture, and painting. The magnificent palaces, temples and "piles stupendous" of the elder world, were all constructed with close regard to symmetry. The cathedrals and churches of the middle ages, and the public and private buildings of our own times exhibit the architects' adherence to the same laws. In what are known as the fine arts, the masterpieces of ancient Greece and Rome, and those of medieval Italy are all models of symmetry in stone or on canvas. They exhibit that "unity and conformity of members to the whole", which satisfies the eye and is the soul of symmetry.

But this is a practical age. We appreciate beauty most when it is joined to utility. And here nature manifests her beneficence; for as a rule the symmetrical is the most useful. This is true in architecture, where strength is joined with symmetry. It is particularly true in animal industry. The thoroughbred horse, cow, hog, sheep, pigeon or poultry should not only be highly symmetrical, but also most valuable for practical purposes—hence, the high prices paid for such stock—prices that it pays to pay.

It follows that in determining the value of blooded stock certain standards of form, size, color and proportion should be established as the ideal with which each individual is to be compared. In practice the markings are usually on a scale denoting the variation from perfection in each section. In naming these points it is usual to combine the form and proportion under the head of symmetry—perfect symmetry demanding such proportion as experience has proved to make the most valuable animal or bird when all parts are "measured together".

It has been contended by some that in marking for each section according to a standard requirement, proper credit or discredit has been given, and that a further marking for symmetry would result in double penalizing for any particular deficiency. This criticism does not hold good in every case. For instance an individual of a certain breed of fowls might be either too small or too large in every one of its points, and thus be penalized along the entire line of markings for size for that particular breed; and yet the fowl may be so duly proportioned, considered as a whole, as to form a most beautiful

(Continued on page 777)

PEDIGREE BREEDING FOR HEAVY EGG PRODUCTION

TRAP-NEST INDISPENSABLE IN PEDIGREE BREEDING FOR HEAVY EGG PRODUCTION, STANDARD REQUIREMENTS AND A GOOD LARGE SIZED EGG; ALSO A LARGE RUGGED STRAIN. HOW THE RECORDS ARE KEPT. CONSIDERS MALE MOST IMPORTANT FACTOR. CANNOT RETAIN BLOCKY TYPE AND DEVELOP HEAVY LAYERS. NOT ALWAYS THE EARLY MATURING BIRD THAT MAKES THE BEST LAYER

BY R. A. RICHARDSON, HAVERILL, MASS.



In this article I shall refrain from mentioning my strain as much as possible. I am not a parlor writer, but one who has gained his knowledge by careful and hard work right in the poultry house.

First let me state that to breed a laying strain of White Wyandottes or any other breed takes a large amount of hard labor, in keeping records, and also a full pedigree of all our different matings, but I think that a man is well paid to use trap nests and in keeping in close touch with all the birds he has on the place, for by this system it enables a man to make as much profit out of 300 hens as he would out of 600 hens kept in a careless manner.

TRAP NEST INDISPENSIBLE

As I am not looking for any free advertising as I prefer to pay for that, and if I should in any place mention my strain to illustrate a point I wish the reader to excuse me. I shall in this article outline as near as possible the best way to breed a large, rugged strain of heavy layers and as near Standard requirements as it is possible to breed. If this article will assist new beginners as well as old beginners in improving the laying qualities of their strain, I shall consider my time well spent. I want to emphasize the fact that a laying strain cannot be bred without the use of the trap nest and also that the nest must be used every day in the year and that you stick to it and not give up too quick. He should keep a full individual record of each individual each week. I find a typewriter a handy article to fill these slips out.

KEEPING THE RECORDS

The way I accomplish it is to have a large block of paper and a pencil at the poultry house in a convenient place, over the top of this block I write the day and date, then I draw as many lines straight down the sheet as there are pens in the house and keep each hen's number in her pen column which makes it more convenient to find and record when slips are picked up once a week by my daughter, who records on each hen's slip the number of days she lays a week and the total is brought out at the end in a total column. I pay my daughter \$2.00 a week for this work which encourages her to keep at it.

The slips are brought in every Saturday and recorded by her on the typewriter. On this slip there should also be a space at the end with remarks over the top and if the hen is found broody her number is written down on the paper, at the hen house, and should be filled in on the pullet's slip with B's for each day until she commences to lay again so we can tell the exact number of times a pullet was broody during the year and how long it took before she commenced to lay again. In the remark column if the pullet shows any tendency to be sick during the year it should be set down so that she will never have a chance to get into our breeding pens again. Also what kind of eggs she lays whether a small and ill-shaped egg or a large brown egg.

HEALTH AND VIGOR IMPORTANT

Never breed from a pullet that does not lay a good

sized egg and never breed from one that shows a tendency to be sick, never mind how many eggs she lays. Even though she should lay 300 eggs I would refuse to breed from such a hen. We must also keep full account of our matings, having a number of different lines established. Every chicken should be toe marked and a record of its breeding kept. Our first consideration should be constitutional vigor, then the number of eggs, the size and quality of egg, and standard requirements. I want to impress upon the reader's mind the fact that I consider the male bird the most important factor. It has been claimed by most writers that the male bird is one-half of the pen. But I say that the male bird is the most important part of the pen as I have found by pedigree breeding that the daughters take more after the male bird than the females, and cockerels after the females. I should rather have a cockerel bred from a high record hen to breed from than to have a high record hen. That is if I could have only one side, as the cockerel mated to hens that were not bred from trap nest record stock would breed better laying pullets than the high record hen would mated to a cockerel that was not bred from trap-nested stock.

SELECTION OF MALE IMPORTANT

The best way I find to breed for standard requirements is through the selection of the male bird; that is if we have a number of cockerels bred from a high record hen we may select the one best in Standard requirements to breed from; of course we do not have as good a show to enter the show room and compete with our brothers who

have bred for Standard requirements alone. But we can breed a good stay white strain and good birds in Standard requirements by sticking to this rule each year. Never get the Standard requirements so firmly fixed in your head as to disregard any of the above qualities I have named. I consider the above qualities more important than to take a prize now and then, and forget all the other qualities.

There are some that make claims that any hen will lay and that it is all in the feeding, to those I wish to ask if they will answer this question: How is it that in the same pen, under the same feed and care, one hen will lay 250 while another one will only lay 130? I have found by persistent work that it is not only possible

for a man to breed some high record hens, but it is also possible to increase the whole flock's average. There are some that believe that they must introduce new blood every year. I should rather select from my own flock that I know has been bred from rugged parents than to take chances of breeding everybody's disease into my flock. Here is another point that I want strongly to illustrate that no strain can be bred for heavy layers and be kept blocky at the same time. I mention this fact as I am a Wyandotte breeder and do not wish to see the qualities of the strain ruined and I appeal to the makers of the Standard to give us a little more length in body, as I have yet to find an extra blocky pullet a good layer.

I do not wish it to be understood that I say that there is nobody else who has not bred them blocky and good

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NIAGRADOT WHITE WYANDOTTES

The above photo shows a group of Niagradot White Wyandotte chicks five months and 20 days old. The picture was made July 4th. One of the pullets laid her first egg on the same day. This photo shows the enterprise with which Marshall & Marshall, Niagara Falls, Canada, conduct their poultry work. They believe in having birds ready for the early fairs that they may be in a position to meet the demands of their customers who desire cockerels and pullets for early exhibition.

HOW TO SELECT THE BREEDING STOCK

EARLY SELECTION OF BREEDERS RECOMMENDED. GREATEST CARE SHOULD BE EXERCISED. HOW THE SELECTION SHOULD BE MADE DEPENDS LARGELY UPON FOR WHAT SPECIFIC PURPOSE ONE IS RAISING POULTRY. THE TRAP-NEST A GREAT AID. THE QUESTION OF EGG PRODUCTION OF NO LESS IMPORTANCE THAN PHYSICAL BEAUTY

BY H. L. GOODWIN, FARMINGTON, ME.



HEN breeding for egg production alone the trap nest as a record-indicator is essential, and it is doubtful if the best possible results can be obtained without its use. The pullets should be culled by laying time until there are no ill-favored specimens in the flock, if one is trying to conform to the requirements of the American Standard of Perfection as to type, and this is important in these days of advanced knowledge. It may be that an occasional hen that is not properly shaped or colored will be one of the best layers in the flock, but even if this is true she will not be a profitable bird to keep if it is the intention to sell her eggs for hatching purposes, for most people who are willing to pay a large price, or even an ordinary one for that matter, for eggs for hatching, expect, and properly, that the birds they raise from such eggs, have other good qualities aside from ability to lay eggs.

BIRDS DEFECTIVE IN SHAPE

But as a rule ill-shaped and poorly colored birds are lacking in other points, and it is safe to send them to market as soon as it can be determined that they are not developing as good birds should, and they had better be turned into cash with the culled cockerels, early in the season. Of course if one is raising poultry solely for the market, all that is necessary is that the birds develop rapidly until they are suitable for killing, except of course that they must present a good appearance when dressed. They must have straight breast bones, show no signs of deformity anywhere, have an attractive skin, and above all must be dressed properly, which of course has nothing to do with the breeding.

To go back to trap nests—breeders who aspire to high prices and a ready market for their eggs in hatching time, should keep an accurate record of all their pullets during the first year, and the year following. Those that have laid the most eggs as pullets should go into the breeding pens. With a record of the work of each bird in a pen a breeder is able to give a prospective customer a definite idea of what he has a right to expect from the birds he raises from the eggs purchased. The breeder also has a right to demand a good price for his eggs, and if he is a good advertiser he will not have much trouble in getting what he demands, for, notwithstanding the thousands of breeders in this country, it is frequently difficult to get the kind of eggs one desires in the hatching season because of the great number of advance orders.

IMPORTANCE OF THE MALE

The male bird is half the pen, that everybody knows. He should therefore be selected with the greatest of care.

He should be a perfect bird in every respect, the son of a mother who has laid as many eggs as circumstances will permit, and of a male bird whose mother was also a prolific layer. There is now no reason why a cockerel whose mother and grandmother laid 200 eggs or more in their pullet year, should not be in every pen, that is of course, among the heavy laying breeds, for such birds can easily be obtained even if one has none of his own raising. For my best pen of Rhode Island Reds in 1914, I have a cockerel whose mother laid 255 eggs in her first year, and whose grandmother on his sire's side laid 229 eggs as a pullet. He will be mated with ten of the best yearling hens obtainable, and the result ought to be satisfactory. This is an extremely good mating, or will be, and there is no reason why other breeders cannot do as well.

I have followed this method of mating for a number of years, and as a result, while my neighbors have been complaining that when eggs are highest they get none at all, my hens have laid right along, in reduced numbers of course, but they have laid well at all seasons of the year, and have improved with each new flock. Others who employ correct methods of mating and feeding have little difficulty in attaining satisfactory results. There should be no cross breeding, but line breeding should not be carried too far. The best way to do is to buy one or more cockerels, every two or three years, of some breeder whose strain of birds is the same or nearly the same as yours, and preferably of the breeder of whom you obtained your original stock; and each time this is done buy of the same breeder. Then the vitality of the stock will be retained regardless of heavy laying, and once

having established your own standard you will not only be able to live up to it, but to improve it year after year, until you find large profits accumulating from your poultry, even though you are not in the business on a large scale.

UTILITY VS. FANCY

When one is breeding fancy stock for the show room the egg side of the question is of less importance than physical beauty, and then the birds that come nearest to conforming to the Standard re-

quirements should be selected, and the breeding pens should contain fewer female birds. It is a good idea to alternate two male birds that are very strong on the sections in which the females are weakest, the probability then being a flock of birds most of which will be well up to the standard, and a few that will be winners of the blue wherever they are shown. Of course if one is breeding such birds for sale it will be advisable to have several pens, alternating all the males in the various pens, unless it is desirable to have one pen better than all others, in which case place the very choicest birds in the same pen. Even then sometimes the best birds come from the pens from which the least is expected.

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A typical farm scene where a few geese are grown. Given a good grass pasture for forage and a small stream of water geese require but little care during the entire season. It is well to give them a pasture by themselves and apart from other farm stock. There are many farms well adapted to goose growing and upon such farms, their culture should be encouraged, as owing to the nature of the land and its location there is not a crop that would pay so well as a flock of geese, yet require so little attention.

SHALL PLYMOUTH ROCK STANDARD WEIGHTS BE CHANGED?

PUBLISHED HEREWITH ARE NUMEROUS LETTERS FROM PLYMOUTH ROCK BREEDERS EXPRESSING THEIR SENTIMENTS ON THE SUGGESTED REDUCTION OF THE PRESENT STANDARD WEIGHTS AS PROPOSED AT THE ATLANTIC CITY MEETING. MAJORITY ARE OPPOSED. COMPROMISE RESOLUTION EFFECTING WEIGHTS OF THE BARRED VARIETY ONLY TO BE ACTED UPON AT CHICAGO THIS MONTH

BY WM. C. DENNY



At the 38th annual convention of the American Poultry Association held August 13-15, 1913, Atlantic City, Mr. L. H. Reade of Richmond, Va., as spokesman for prominent members of the American Barred Plymouth Rock Club, offered a motion to reduce the Standard weight of Barred Plymouth Rock hen "one-half pound", from 7½ to 7 lbs. Later Henry P. Schwab of Iron-dequoit, N. Y., for years a prominent judge and breeder of the variety, made a motion to have the Standard weights for cock bird "reduced to 9 lbs". (The present Standard weight is 9½ lbs.) After considerable debate both motions were defeated.

Those who supported these motions claimed that it would prove beneficial to all varieties of Plymouth Rocks if the Standard weight for cock and hen were reduced one-half pound. In speaking for the motion Mr. A. C. Smith, formerly of Grove Hill Poultry Yards, now Professor of Poultry Husbandry at the Minnesota Experiment Station, stated that "the smaller hen would be a better egg producing bird", also that "the markets did not demand as large a broiler or roaster as formerly".

Though the effort was unexpected, the White, Buff and Columbian Rock breeders present were as a unit in opposing any reduction in weights and in this they were supported by such well known Barred Rock breeders as A. C. Hawkins, W. S. Russell, M. F. Delano, Grant M. Curtis and others.

During the debate it was suggested that if Barred Plymouth Rock breeders were not in favor of maintaining the present Standard weights that different weights be established for the Barred Rock variety. Acting on this suggestion Mr. Reade has offered an amendment that the Standard weights for Barred Plymouth Rocks should be: Cock 9 lbs.; hens 7 lbs.; cockerel 8 lbs.; pullet 6 lbs. This amendment will come up for action at the Chicago Convention of the American Poultry Association to be held August 10-15.

In view of the fact that the Plymouth Rocks for nearly 50 years have been looked upon as "America's greatest production" and have gained this enviable position through their sterling merits as a practical fowl for the market poultrymen and egg farmer, it seems the height of folly that after nearly a half a century of success that any breeders who have the welfare of the breed in mind should favor a reduction in weights. The breeders of the other Plymouth Rock varieties do not find this necessary. Why then should Barred Rock breeders favor it? Is it because of the desire to succeed in the production of fine, narrow parallel barring? There is no doubt that in the effort to produce plumage markings that some strains of Barred Plymouth Rocks have been robbed of practically all the wonder-

ful vitality and stamina in which this variety once abounded.

At the annual meeting of the White Plymouth Rock Club held at Indianapolis, Ind., February 6, 1914, the following resolution was adopted:

WHEREAS: The members of The White Plymouth Rock Club, being duly assembled in annual convention,

WHEREAS: A movement being on foot to reduce the weights of Plymouth Rocks,

WHEREAS: The members of The White Plymouth Club, having unanimously agreed that such a reduction would prove detrimental to the future advancement of the breed,

BE IT RESOLVED: That the Revision Committee of The American Poultry Association, be requested to leave the weights of Plymouth Rocks stand as they are.

Recently the secretary of the White Plymouth Rock Club, Martin F. Schultes, Albashire, Bartlett, Tenn., addressed a letter to C. T. Patterson, Pathologist of the Missouri State Experiment Station and also wrote A. P. W. as follows:

"Bartlett, Tenn., July 3, 1914.

"American Poultry World,
"Buffalo, N. Y.

"Gentlemen:—As you are no doubt aware, there has been a movement on foot to reduce the weights of Plymouth Rocks and as secretary of the White Plymouth Rock Club, in behalf of other Plymouth Rock Clubs and Plymouth Rock breeders in general, I have been gathering evidence from all sources as to the advisability of this move. Sixteen out of seventeen Experiment Stations actually doing extension and carrying one or more varieties of Plymouth Rocks are adverse to any reduction. Some of them have written at great length, setting forth their views, and it is very interesting reading. "A majority of the members of the Revision Committee are not in favor of a reduction on the breed as a whole, or on any particular variety.

"I am enclosing copy of an open letter sent to Mr. C. T. Patterson, Pathologist of the Missouri State Poultry Experiment Station, that I believe will prove of interest to the readers of AMERICAN POULTRY WORLD.

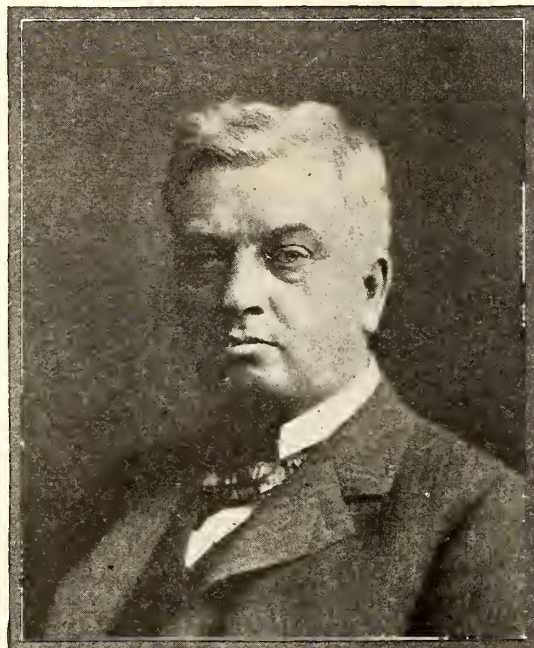
"Very truly yours,
"Martin F. Schultes".

Bartlett, Tenn., June 24th, 1914.
Mr. C. T. Patterson, Pathologist,
Missouri State Poultry Experiment Station,
Mountain Grove, Mo.

Dear Sir:—I am in receipt of your letter of the 20th inst., and the contents have been carefully noted.

It has been my understanding that your station has been sending out material advocating a lighter weight type of chicken, as the better laying bird. During the past two seasons and again last year, as also in your letter you specifically state that a good many of the Plymouth Rocks entered for competition in the contest were received in an immature condition, being immature at the beginning of the winter or at the beginning of the natural egg-laying season. A bird is thus forced into the reproductive period (whether by heavy feeding of nitrogenous elements or the approach of the natural season) at a sacrifice to the size and weight, and which has perhaps led you to believe that the underweight bird is the egg laying bird. This cannot be true, as other experiment stations and my own experience is, that we find some extra large hens that are over standard weight and are splendid producers. In your observations have you found that the Plymouth Rocks that were received in a mature condition made good records?

A hen may be over standard weight, an exceptionally good layer, but she may not be of extra good market type. ●●



GEO. URBAN, JR., PINE RIDGE, BUFFALO, N. Y.

Mr. Urban is a business man who has been successful in his efforts to find pleasure and recreation in breeding poultry. At his home at Pine Ridge, in the suburbs of Buffalo, he finds enjoyment in keeping several varieties, including White Rocks, Black Langshans, Anconas and Belgian Bantams. Recently Mr. Urban imported some White LaBresse, a favorite breed with French poultrymen for its qualities as a broiler and small roasting fowl as well as being a prolific layer. Mr. Urban has been a generous supporter of the poultry shows held in Buffalo. His banquet to the judges and visiting poultrymen attending last year's Greater Buffalo show, was looked upon as one of the social features of the poultry show season.

casionally she will be of splendid market type. She will probably be well meated when fat, but she will carry too much meat on the thighs in proportion to the amount of meat she carries on her breast; in other words, the muscles of the legs will be developed out of proportion to the amount of muscle of the breast. This, perhaps is due in part, to the fact that she uses her legs in searching for feed, and isn't therefore a No. 1 market type, but she is a right good business hen for one to own. As a general rule our best layers are hens that exercise very freely. Occasionally an exceptionally good layer, exercises very little, seems to live mostly from the dry feed hopper, and perhaps spends a good deal of time on the roost. I have noticed this in three or four hens in the past year.

One individual behaves one way, and another absolutely opposite. One hen gains weight while laying heavily, another hen loses weight at the same time and in the same pen. We notice this especially in some of our feed lots. So much depends on the individual, and different individuals show so much variation. I think any one needs to be very careful about drawing general conclusions.

I believe as you do, that if the powers of reproduction are present in the quantity, the average heavy layers will turn their surplus into eggs instead of fat, but I also believe that to obtain a goodly number of marketable eggs, it is absolutely necessary to see that the hen is fully matured, and a little fat at the beginning of the test. The dairymen have conclusively proven this long ago, and the many record breakers of the various breeds, are cows that have been put into high condition before beginning the test.

In conclusion, I want to say that I hope to see the Plymouth Rocks kept up to good size, as we already have smaller breeds of chickens that are good layers, and if any one wants to keep small chickens, let them keep some of the smaller breeds. The general tendency on most commercial farms is for stock to run under size, is my observation, although it may not necessarily be true throughout the whole country. I have always looked to the specialty breeders to furnish foundation stock for the commercial breeders, and if they can breed their Plymouth Rocks a little over the present size, they will help undoubtedly to bring up the size of the commercial farms. Another thing, there is a very strong demand for Plymouth Rocks of a good size, good, strong, vigorous breeding birds, and I think that a lessening of the weights would have a tendency to swing this demand to some of the other breeds, i. e.: put them on a par. No matter how good a fancier may happen to be, he will always be dependent in the long run on the commercial growers. He may not sell direct to farmers, but his customers will sell direct to farmers, and unless his stock, second hand, as it were, pleases the general farmer and other commercial growers, he will have to go out of business in time.

As I understand it, the Plymouth Rock is probably the leading meat breed in the country. I do not mean to say that we class the Plymouth Rocks as being of a meat type, but I do mean that if you will examine the car loads of fairly good marketable poultry that comes from the market poultry producing sections of the central west, you will find that Plymouth Rock blood is very likely to predominate every time. There are certain breeds called meat breeds, but so far as poultry meat production is concerned, these breeds are only a drop in the bucket. I believe that one of the principal reasons for keeping Plymouth Rocks is so that we may raise a good marketable chicken that meets the demands of the market for good market chickens, the only exception being, the very special trades where special breeds are raised, such as the Cornish, Brahma, etc. If we are going to keep the Plymouth Rocks popular with the general public, we have got to keep up the size, so that they will remain as now, good market poultry chickens.

It has been observed that the Plymouth Rock, as a breed throughout the country, unless properly handled, decline in weight from those advocated by the Standard, and, from a market standpoint, we cannot but hurt the breed to require other than the weights advocated at present. Another thing should be borne in mind, that for a good many

years the present weights have been in vogue, and if it is found that the Plymouth Rocks are not bred and fed to reach these weights, that rather than to make a change at this time, it would be better to start a campaign telling people how to properly feed and breed these fowls to attain the standard weights.

I shall be very pleased indeed for you to give me in full, your observations on this subject, together with the weights at the four seasons of the year, of all pens of Plymouth Rocks in the preceding contests.

Assuring you of our appreciation and thanks for the information you have given us, I am,

Very truly yours,

Martin F. Schultes,
Secretary.

Secretary Schultes' letter to Mr. Patterson is an interesting one, not only to breeders of Plymouth Rock varieties, but to poultrymen in general, as it brings out many points that will apply to any breed or variety. A. P. W. hopes to be favored with Mr. Patterson's reply so that it can be presented in a later issue.

In addition to Mr. Patterson, Mr. Schultes addressed a number of men in charge of the poultry work at the different experiment stations, asking for their opinion as regards the advisability of lowering the Plymouth Rock weights as a means to increasing egg production. He has sent us a number of these replies including those from Jas. G. Halpin, in charge of the poultry work at the Wisconsin Agricultural Experiment Station; A. G. Phillips, in charge of the poultry work at the Indiana Experiment Station; Harry S. Lamon, Senior Animal Husbandman in poultry investigations, United States Department of Agriculture; A. T. Rolf, Professor in charge of poultry

at the Oklahoma Experiment Station, and James E. Rice, Professor of Poultry Husbandry at the New York State College of Agriculture, Cornell University. The replies from these men are as follows:

"Madison, Wis.

"Martin F. Schultes,
"Albanshire, Bartlett, Tenn.

"Dear Mr. Schultes:—I am very glad to get your letter of June 13th, and believe you are wise in recommending that the Plymouth Rock weights remain as they are now.

"Very truly yours,
"J. G. Halpin".

"Lafayette, Ind.,
"June 19, 1914.

"Martin F. Schultes,
"Albanshire, Bartlett, Tenn.

"Dear Sir:—We find that Plymouth Rocks do vary in size, some being above and others below weight. However, I believe it is not wrong to expect Plymouth Rocks to weigh according to the present Standard. Other than that I do not feel competent to answer your questions.

"Yours very truly,
"A. G. Phillips".

"Washington, D. C.

"Martin F. Schultes,
"Albanshire, Bartlett, Tenn.

"Dear Sir:—I am very glad to note that the club feels that it will be detrimental to the White Plymouth Rock to reduce the weight at this time. I can assure you that I believe the club is taking the proper course in this matter. It has been my observation that the Plymouth Rock as a breed throughout the country unless properly handled decline in weight from those advocated by the Standard, and from a market standpoint it seems to me that we cannot but hurt the breed to require other than the weights as are advocated at present. Another thing should be borne in mind that for a good many years the present weights have been in vogue, and if it is found that Plymouth Rocks are not bred and fed to reach these weights that rather than to make a change at this time I believe it would be better to start a campaign telling people how to properly feed and



On numerous occasions we have had the privilege of handling the Columbian Wyandottes exhibited by Horsehoe Poultry Yards, Hicksville, L. I., N. Y., and each time found them to possess excellent merits. One of the strongest qualities of this strain of winners is shape. Mr. Minch, proprietor, is a strong advocate of shape in exhibition Wyandottes, and judging from the many color specials won by the pullet shown above, Mr. Minch has succeeded in combining both shape and color into his flock. The pullet shown above was a very strong colored individual and bears the earmarks of a strong line of breeding to produce exhibition specimens.—A. O. Schilling.

breed these fowls to attain the Standard weight.

"Very truly yours,
"Harry S. Lamon".

"Stillwater, Okla., June 20, 1914.

"Mr. Martin F. Schultes,
"Albanshire, Bartlett, Tenn.

"Dear Sir:—I have your recent letter concerning the proposition of Plymouth Rock weights. I do not have any exact figures at hand to give you in regard to the questions that you ask except that the best layers amongst our Barred Rocks, the only variety of Rocks we keep, run from Standard weight to about one-half pound under the Standard weight. We have not secured any large records from either the very small or very large Barred Rocks.

"Our Plymouth Rock pens do not have food in front of them at all times. They are fed a scratch grain in deep litter morning and night and are allowed free access to the dry mash hoppers during each afternoon.

"In regard to your last question I would say that I do not believe that there is a tendency on the part of the average breeder to under feed Plymouth Rocks. I do believe that the majority of the farm poultry raisers either under feed or else bring about the same results by improper feeding.

"Very truly yours,
"A. T. Rolf".

"Ithaca, N. Y., June 23, 1914.

"Mr. Martin Schultes,
"Albanshire, Bartlett, Tenn.

"My Dear Sir:—I am exceedingly interested in your statement of June 13th, in regard to the resolution passed by the White Plymouth Rock Club to maintain the present standard of weight for Plymouth Rocks. We do not have any data in our experiment records which will throw any light of value on the comparative merits of Plymouth Rocks, due to their size. My judgment would be that the breed would lose, rather than gain by reducing the weight. This is because they would be likely to suffer more in competition with smaller than they will with larger breeds. They meet a very large demand on the part of producers, as well as buyers, of market poultry. This is well illustrated by the high regard in which Plymouth Rocks are held by the large poultry buying establishments of the country. We have no evidence as yet, so far as I am aware, on which we could justify the assumption that reducing the size of Plymouth Rocks would necessarily increase the number of eggs that they would lay. Even if it should be proved that the lighter weight Plymouth Rocks are more prolific, it does not necessarily follow that they would be more profitable.

"If we maintain the present standard size and select rigidly for constitutional vigor, we should be able to maintain a high average egg yield without sacrificing the splendid meat quality which the Barred Plymouth Rock possesses. They occupy a position between the heavy, more phlegmatic, so-called meat breeds on the one hand, and the lighter, general purpose fowls on the other hand, and fill a very important place in the production of poultry and eggs.

"As to whether or not Plymouth Rocks are to be developed more along the egg producing or the meat producing lines, will depend more upon the type and the activity of the birds selected for breeders than it will upon the mere question of size or weight. In other words, we may have birds that will be under the standard weight that would be expected to lay less eggs than birds that are over the standard weight.

"When one breeds with regard only to the number of eggs that hens lay, the tendency generally would be to reduce the size. This appears to be due to the fact that birds that inherit a tendency to lay many eggs, as a rule begin to lay early in life. Early laying has a tendency to reduce the size of the bird because so much of the vitality of the bird is used in production that it is likely to somewhat check the growth. One of the highest producing flock of pullets (of another variety) that we have produced, laid an average of one hundred and eighty-two eggs apiece per year as pullets and as an apparent result, not only did not gain in weight, but weighed a trifle less at the end of their twelve months' laying than they did when they began, as pullets, in the fall, to lay.

"It would seem to me a mistake to reduce the size of the Plymouth Rock with the expectation of increasing the production. The wide popularity of the Plymouth Rock is based upon its general utility qualities, which I feel confident would, in a measure, be lessened by reducing the size. The number of eggs that a breed lays is not necessarily the determining factor. The great asset of the Plymouth Rock is the number of dollars' worth of chickens that can be grown from the eggs. In other words, in order to realize the greatest money value from the Plymouth Rocks their meat producing qualities must be taken into consideration by hatching a large proportion of their eggs to produce chickens to be sold for meat, either before or after they have given a year of egg production.

"In regard to the questions which you ask, I will attempt brief replies as follows, in so far as our experience will justify a statement:

"The only distinction that we would feel justified in making in the method of feeding Plymouth Rocks, as compared to other varieties of fowls, would be that they should be encouraged to exercise freely, and that birds having a tendency to over-fatness should be eliminated from a flock. I think that there is a tendency, on the part of poultrymen generally, to under-feed rather than to over-feed their fowls. This would be more likely to occur with a careful feeder, in the handling of heavier breeds, because he would recognize the tendency of the heavier breeds to become phlegmatic and over-fat and would guard against it by under-feeding. I would expect that the average poultryman who feeds without proper regard for the finer points of feeding would over-feed rather than under-feed. He would be likely to give them all they could eat of the particular thing he happened to be feeding. On the other hand, farmers who do not keep poultry except incidentally would most certainly be likely

to under-feed because my observation, in the east, convinces me that farmers fail to secure even a moderately satisfactory yield because they go on the assumption that during a large part of the year the fowls should be able to secure enough food of their own accord by foraging. In almost every instance if these persons can be induced to feed a properly balanced ration in sufficient quantity they will get immediate results and will make vastly more money during the year.

"Very truly yours,
"James E. Rice".

Among a number of letters from well known breeders who also wrote to Mr. Schultes are the following: H. W. Halbach, President of the American White Plymouth Rock Club; Dr. L. D. LeGear, member of the Executive Committee of the White Plymouth Rock Club; Arthur A. Peters, Second Vice-President of the American Poultry Association; D. M. Green, Secretary of the American Columbian Plymouth Rock Club; W. S. Russell, judge and breeder of Barred Plymouth Rocks:

MUCH OPPOSED TO ANY REDUCTION

"Waterford, Wis., June 18, 1914.

"Mr. Martin F. Schultes,
"Albanshire, Bartlett, Tenn.

"Dear Mr. Schultes:—I am strongly in favor of the weights of Plymouth Rocks as listed in the Standard at the present time and would be much opposed to any reduction.

"A very important feature of the White Plymouth Rocks is the fact that they have large size, grow quickly and at the same time are grand layers. By reducing the weight it will diminish instead of improving the all-round qualities of this most noble breed.

"Am positive that by far the majority of breeders are in favor of retaining the present weights, as anyone who truly has the interests of this grand breed to heart will certainly not take a step like this in the wrong direction.

"I hope that such a measure will not be adopted by the Revision Committee of the American Poultry Association.

"Very truly yours,
"H. W. Halbach".

HEARTILY IN FAVOR OF PRESENT WEIGHTS

"Kirkwood, Mo., June 19, 1914.

"Mr. Martin F. Schultes,
"Albanshire, Bartlett, Tenn.

"Dear Mr. Schultes:—Regarding the weight of the Plymouth Rock, will say that I am most heartily in favor of retaining the present weight as given by our Standard of Perfection. I shall do all in my power to keep the weights where they are.

"Very truly yours,
"Dr. L. D. LeGear".

WOULD BE A SERIOUS MISTAKE

"Waterville, N. Y., June 19, 1914.

"Mr. Martin F. Schultes,
"Albanshire, Bartlett, Tenn.

"Dear Sir:—I am heartily in accord with the action taken by your club advocating that present weights be maintained. I think it would be a serious mistake to reduce the weights of Plymouth Rocks in any of the varieties, and I am glad to go on record to this effect.

"Very truly yours,
"D. M. Green".

INCREASE OF SIZE HAS GREATLY IMPROVED EGG PRODUCTION

"Denver, Colo., June 30, 1914.

"Mr. Martin F. Schultes,
"Albanshire, Bartlett, Tenn.

"Dear Mr. Schultes:—I have bred to increase the size of my White Rocks to conform to the Standard requirements, and have found that the increase of size has given them that long back and well rounded breast mentioned in the Standard, that never was strongly in evidence with the smaller fowl, and have also discovered that with the increase of size, have greatly improved the egg production, and consider that the claim that a reduction of size adds to the utility through egg production, or carcass is misleading, most viciously, and does not come from a desire to improve the breed, but upon the contrary feel confident that the desired change is actuated from other motives.

"Very truly yours,
"Arthur A. Peters".

W. S. RUSSELL SAYS ALL PLYMOUTH ROCKS SHOULD HAVE SAME WEIGHTS

"Ottumwa, Ia., June 27, 1914.

"Mr. Martin F. Schultes,
"Albanshire, Bartlett, Tenn.

"Dear Sir:—I am opposed to any change in the weights of Plymouth Rocks and also believe that all Plymouth Rocks should have the same weights. One of the principal reasons that Plymouth Rocks are so popular, especially among the farmers, is on account of their weight. To reduce the weight would put them in a weight class with Wyandottes and Reds.

"Yours truly,
"W. S. Russell".

After receiving the letters quoted above from Mr. Schultes, A. P. W. addressed a letter to prominent Plymouth Rock breeders asking whether in their opinion it would be more advisable to maintain present weights or to lower them as has been proposed. Up to the time of going to press, the following letters had been received:

(Continued on page 766)

THE IMPORTANCE OF GOOD CARE DURING THE MOULT

MANY POULTRY RAISERS APPEAR TO CARRY THE IDEA THAT THEIR CHARGES REQUIRE BUT LITTLE ATTENTION DURING THE MOULT. CARELESSNESS AT THIS TIME TOO APPARENT ON MANY POULTRY PLANTS. PAINSTAKING CARE AND CLOSE ATTENTION NECESSARY IF THE VIGOR AND VITALITY OF THE FLOCK IS TO BE PRESERVED. AT NO OTHER TIME CAN THE PHYSICAL CONDITION OF THE FLOCK BE SO EASILY DETERMINED. A FEW SUGGESTIONS

BY W. A. WOLFORD



FEW of us realize how much carelessness is displayed by the average poultryman in the methods of caring for his fowls during the moulting time, unless we happen to visit several plants during this period. In many instances the owner seems to show indifference as soon as the term of production is over and the hens have earned a well deserved rest or vacation time, that is devoted principally to discarding the old feathers and growing a new coat or covering. Heavy laying is generally conceded to be a strain on the fowl's constitution. How about growing ten or twelve thousand or more new feathers?

I am going to try and point out why poultry should receive as much attention and painstaking care during the moult as at any other period. I am not sure but what the little details should have greater attention at this time.

Moulting as we all know or should know is a natural process that occurs gradually in growing chicks until they arrive at maturity, when they have a complete body covering known as adult plumage. From this time on the change takes place once a year and usually occupies about 90 days, counting from its beginning to its termination. Left to her own resources the hen will undoubtedly complete the moult in the prescribed time, but the drain on her vitality will be such that she will need several weeks to recuperate and possibly will not start to lay until late in spring. On the other hand if we give her the proper care she should be in condition to lay again by the time the moult is complete. An Australian writer advances the theory that the moulting period is a time of rest for the ovary and that as the hen ceases to lay the comb becomes shriveled and loses its bright color. Again as she nears completion of the moult and the ovaries begin to grow in preparation for egg production, the comb also increases in size and takes that bright healthy color that denotes the approach of egg production.

Now the tendency of a hen during the moult is to indifference, she loses that vim and hustle she formerly possessed, when in full lay. She is inclined to become

inactive, naturally so, as the process of growing a new coat is a drain on her system and it uses up her energy. She looks uncomfortable and undoubtedly feels so. She is not inclined to eat much and less inclined to exercise. Here is where the importance of good management comes in. The feeder should step in and aid nature by providing a ration suitable for the manufacture of feathers, just as carefully and conscientiously as he provides a laying ration when he is endeavoring supplement egg production; he should also see that a moderate amount of exercise is taken rather than allow the hens to take their meals in bed as it were.

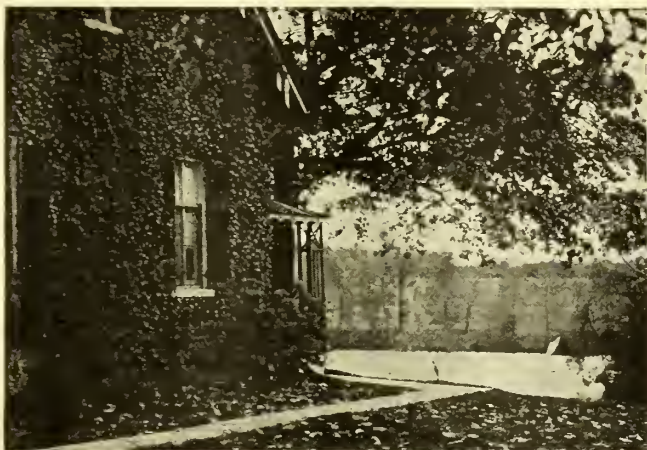
In the early stage of the moult a hen does not require much food, but as the process progresses and the new feathers start to grow the quantity must be increased until a full ration is being given.

A ration that has given good results in egg production should prove valuable during the moult, but it should be supplemented with a little old process oil meal; at first adding about 10 per cent. to the mash mixture and gradually increasing the amount until 20 or 25 per cent. is reached, then reduce gradually back to the starting point. During this time the droppings should be watched carefully and at the first signs of unusual looseness the quantity of oil meal should be reduced. When conditions correct themselves it should be restored. Sunflower seeds are a valuable aid to feather production and can be added to the grain ration with good results at this time.

Many poultry raisers make the practice of adding poultry powders and condiments to the ration during the moult, this practice should be discouraged. Still I was informed by a well known poultryman that he never saw anything like mustard for helping birds through the moult. This may be all right when fed in moderation as it is undoubtedly a mild digestive stimulant. A small quantity of sulphur may also prove beneficial at this time—say one tablespoonful thoroughly mixed with the mash for every twelve hens. Twice a week should be often enough for this. I also believe that a wet mash can be fed to some advantage during the moult.

To return to the beginning, as soon as the hens stop laying and begin to moult they should be carefully culled

(Continued on page 773)



Two views at the home of Jno. S. Martin, Port Dover, Ontario, Can. On the left is shown a corner of the vine clad residence, while on the right Mr. Martin may be seen looking over a promising flock of his noted "Regal Strain" White Wyandottes. Conditions appear to favor the production of poultry at Mr. Martin's home, in fact one can hardly gaze upon the above picture without expressing a desire to visit the place. How well Mr. Martin has succeeded in getting out early chicks this season is expressed in a letter of July 7th, in which he says: "I have over a thousand January and February hatched cockerels and pullets. Some of the pullets began laying the last of May. I have also two thousand later hatched chicks. The quality is unusually good and they seem to run even. The last two years it has been impossible for me to raise chicks enough to supply the demand so I have decided to increase my plant. I have purchased the adjoining farm and I shall double the size of my brooder house and erect two more long houses".

THE CONNECTICUT EGG LAYING CONTEST

ENGLISH WHITE WYANDOTTES STILL ON TOP, ALTHOUGH THEIR LEAD IS DIMINISHING. INTERESTING DATA IN REGARD TO WEIGHT OF WYANDOTTE EGGS. THOMAS BARRON, NOTED ENGLISH POULTRYMAN AND PRODUCER OF WINNERS OF TWO CONTESTS, TO VISIT AMERICA. INVESTIGATIONS OF THE WHITE DIARRHEA QUESTION CONTINUED. CONTEST REPORT FOR THE MONTH OF JUNE

BY WILLIAM F. KIRKPATRICK

Poultry Husbandman, Storrs Agricultural Experiment Station, Storrs, Conn.



THE pen of English Wyandottes that have been leading the contest so consistently are gradually but surely having their lead cut down week by week by American Leghorns. These English birds were 131 eggs ahead of their nearest competitor on May 1st, 102 eggs ahead on June 1st, and on July 1st were but 50 eggs ahead of a Connecticut pen of White Leghorns and only 38 eggs ahead of an experimental pen owned by the Storrs Experiment Station. This English pen, however, still contains the best individual out of the more than eight hundred birds in the contest. There has recently been some considerable controversy regarding the type of Wyandotte which Mr. Barron has entered in the laying competitions in this country and as to whether they would qualify for the show room and it has even been stated that the eggs these hens lay were small and unfit for market. It will be interesting therefore in this connection to note the figures below for the three leading Wyandotte pens. The total number of eggs laid up to July 1st, their total weight, and the average weight per dozen are given.

	No. of Eggs.	Total Weight.	Av. Wt. per dozen
English White Wyandottes	1444	173.85 lbs.	23.11 oz.
American Wyandottes (Con.)	1294	158.70 lbs.	23.55 oz.
Wyandottes (R. I.)	1270	151.72 lbs.	22.94 oz.

No small, soft shelled, or otherwise unmarketable eggs are included in the figures above. It is almost remarkable that these three pens with their excellent egg yield have produced during the first eight months of the contest a total of only four unmarketable eggs and no one of these three pens produced more than two unmarketable eggs.

ENGLISH POULTRYMAN COMING TO STORRS

Mr. Barron's birds are leading other American laying contests in addition to the International competition conducted at Storrs. Furthermore he has birds among the leaders in the British Columbia contest and in some of the English competitions. Mr. Barron is now on his way to America and will be in Storrs the last three days in July during the annual Field Meeting of the Connecticut Poultry Association. Mr. Barron will give a talk each day during the meeting, he will also have an illustrated lantern slide lecture showing not only his own plant, but other English plants as well and will discuss freely and frankly the methods of breeding, feeding, and rearing by which he is able to produce such wonderful layers.

EGG LAYING CONTEST

The total yield of eggs in the contest for the month of June amounted to 13,983 or an average of 17 eggs for every hen on the plant. Sixty individuals, including Plymouth Rocks, Rhode Island Reds, Leghorns, and "Hens" laid 25 eggs each or more during the month of June and four of these individuals laid 28 eggs during the month. Twenty-four individuals, including Rocks, Wyandottes, Reds, Leghorns, Orpingtons, Cornish, Campines, and "Hens" laid no eggs at all. The ten best individual scores to date are as follows:

Pen 14, English White Wyandotte	172 eggs
Pen 20, Mass. Buff Wyandotte	164 eggs
Pen 40, Experimental White Leghorn	163 eggs
Pen 42, Experimental White Leghorn	163 eggs
Pen 42, Experimental White Leghorn	161 eggs
Pen 16, Conn. White Wyandotte	161 eggs
Pen 40, Experimental White Leghorn	157 eggs

Pen 40, Experimental White Leghorn	155 eggs
Pen 53, Conn. White Leghorn	155 eggs
Pen 33, Mass. Rhode Island Red	154 eggs
Pen 4, Long Island Barred Rock	154 eggs

During the thirty-fifth week of the contest an English pen of Leghorns laid 63 eggs, thus establishing the highest weekly pen yield since the competition opened last November, a yield of 90 per cent. During this same week an Experimental pen of White Leghorns laid 56 eggs or a yield of 80 per cent. for the week and there were a total of sixteen pens that laid 49 eggs each or more during the week or a yield of 70 per cent. If the egg yield is any criterion it would appear that the hens are laying with truly satisfactory efficiency for mid-summer work.

The awards for the month of June have been made as follows: The blue ribbon or first prize was won by the pen of English Leghorns with a yield of 249 eggs. The second prize was captured by Chas. N. St. John of Greene, N. Y., with a pen of White Leghorns that laid 236 eggs for the month. P. G. Platt of Wallingford, Pa., beat out G. A. Cosgrove, West Willington, Conn., by one egg and won third place with a yield of 235.

EXPERIMENTAL PENS

The standing of the Experimental Pens at the close of the eighth month continues to be strikingly similar to to their relative standing since the contest opened; that is to say, in the case of both the Plymouth Rocks and the Leghorns the sour milk pens are all better than the check lot with the single exception of that pen in which an effort has been made to substitute sour milk for both beef scrap and green food. Sour milk cannot apparently take the place of both green food and meat; on the other hand it apparently can very largely supplant either and result in a higher egg yield. When the Storrs Experiment Station first began its work with sour milk it did so on the theory that the acidity in milk would kill off undesirable forms of bacteria in the intestinal tract. It has now, however, abandoned this idea and believes that sour milk is a good feed because it is so easily digested and so thoroughly assimilated and because the chicks or the hens, as the case may be, probably get more feed value out of milk for the amount of digestive energy required than from any other ration. The Station does not feel, however, that it has enough experimental evidence on this point and is therefore trying out the use of sweet milk during the present summer with a large number of chicks and plans furthermore to try the use of milk powder. The Station has already used approximately two thousand chicks during the present season in its white diarrhea and milk feeding experiments and will use about two thousand more perhaps before the end of the summer. Since the Station began this work some four or five years ago it has used a grand total of between fifteen and twenty thousand chicks for the purpose of finding out the extent of ravages of white diarrhea of young chicks, the methods of controlling the disease and the value of milk for feeding. The Station has started in a small way to continue this work with hens and this is being done with their stock in the laying contest.

The ten leading pens to date are as follows:

Tom Barron, Catforth, England, White Wyandottes, 1444.	Storrs Experiment Station, Pen 42*, White Leghorns, 1406.
Francis F. Lincoln, Mt. Carmel, Conn., White Leghorns, 1394.	Merrythought Farm, Columbia, Conn., White Wyandottes, 1294.
Neale Bros., Apponaug, R. I., White Wyandottes, 1270.	Tom Barron, Catforth, England, White Leghorns, 1261.

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EGG PRODUCTION INCREASED BY PROPER SELECTION

GOOD LAYERS PRODUCE EARLY LAYING PULLETS, AT LEAST THIS IS TRUE AT THE MISSOURI EXPERIMENT STATION. WITHOUT EXCEPTION EARLY LAYING PULLETS HAVE COME FROM HIGH RECORD HENS. METHOD OF SELECTION, BREEDING AND FEEDING EXPLAINED. AN OPERATION. SIX NORMAL EGGS REMOVED FROM BLACK LANGSHAN HEN. THE CONTEST REPORT FOR JUNE

BY T. E. QUISENBERRY, Director

Missouri State Poultry Experiment Station, Mountain Grove, Missouri



THE Missouri State Poultry Experiment Station has fifty or more pullets which have been hatched this year that began to lay when they were about four months old or a few days over that age. In every case, no matter what variety of poultry it happened to be, the first pullets of that variety to begin to lay came from the highest laying hens of that variety of hens among the highest layers. We have never had an early maturing and early laying pullet come from a medium or poor laying hen. In every case thus far, no matter what variety it is, the pullets which began to lay when they were from four to five months old were bred from the high laying hens of that variety.

THE FIRST TO LAY

The thirteen which began laying first were: 3 Buff Leghorns; 2 Barred Plymouth Rocks; 4 White Leghorns; 1 Ancona; 1 Campine; 1 Rhineland, and 1 White Orpington. The Barred Rocks and White Orpington weighed from three and one-half to four pounds each, while all others weighed from two and one-half to three and one-fourth pounds each. The first eggs weighed from one to one and one-half ounces each. The eggs are practically perfect in development. A Buff Leghorn pullet weighing two and three-fourths pounds began laying at four months and five days old, and a Barred Rock pullet weighing three and three-fourths pounds began laying at four months and nine days old. These were the first two pullets to lay. The pullets are fed good, wholesome food, but not forced or stimulated. The food given consists of equal parts of cracked corn and wheat as a grain feed, and equal parts of corn meal, wheat bran and shorts fed in hoppers, and we mix one pound of fine salt to every hundred pounds of the mash. The colony houses are kept along the edge of a corn field or on fresh ground in an orchard. We give the young stock sour milk or buttermilk if it is available, and if not, we add ten pounds of dry beef scraps to every hundred pounds of their dry mash. At three or four o'clock in the afternoon, we feed a moistened mash, all birds will clean up in twenty or thirty minutes. We use the same dry mash as we feed in the hoppers, but moisten it with sour milk or water. We, of course, supply grit, oyster shell, and charcoal by mixing them with the feed or by feeding separately. Pure water is before them at all times. Recently in culling 6,000 head of young stock raised in this way to an age when the pullets had begun to lay, we found only two birds that appeared to be anything like out of condition.

RELATION OF SEASON TO DEVELOPMENT

From our observation and records we have concluded that the season of the year in which a chicken is hatched has much to do with its growth and development, and the length of time that it will require for a pullet to mature and begin to lay. That is, pullets hatched in early spring when the trees are budding, the grass beginning to grow green, the crops growing, and the birds mating, in other words, when the whole earth seems to be putting on new life, pullets hatched at this season will begin laying in a shorter length of time than the full sisters to them hatched in the summer or fall. We believe that pullets hatched in February, March and April will begin laying in a shorter length of time than their full sisters hatched in May, June, July in this climate.

The smaller varieties will begin to lay a little earlier or mature a little quicker than the large varieties, as a rule, but by using good judgment, a breeder of any variety can so regulate his hatches so as to have them mature just in time to make good winter layers. A poultryman

can so select and regulate the breeding of his flock and so regulate his hatches that his pullets will bloom or begin to lay something near a certain season, just as the florist has his chrysanthemums bloom at Thanksgiving and his lilies bloom at Easter. By all means, have them begin to lay before the winter season for if they do not, they will more likely not start laying before spring. Such pullets are a dead loss for several months. The margin of profit in the poultry business is so small that it will not stand such a loss.

SELECTION AND BREEDING WILL TELL

The fourth generation of chickens which have hatched since the Experiment Station was established are now on the farm. The first year we trap-nested a pen of Buff Leghorn pullets which averaged between 90 and 100 eggs each. We selected the best layers from that pen of ten for our next year's breeders and mated them to a cockerel hatched from the best laying hen. We have kept and bred from the best layers and the best cockerels each year since that time. The result is that last year we developed a pen of ten pullets which averaged nearly 200 eggs each and one laid 217 eggs, and now this year we have developed a pullet which began to lay when four months and five days old, and was the first to lay out or six or eight thousand chickens reared on the farm this season. We have kept them practically within the same line of breeding and by careful selection and mating, have practically doubled the egg yield in three years time.

Another thing, it does not mean that you have to entirely disregard shape and color to breed a good laying strain of any variety. One of our contestants in the Buff Leghorn class from Michigan entered his birds in a good poultry show two weeks before our contest began last year. We now find that some of his highest scoring pullets and some of those which have won the highest honors in the show room, are also those which have made the highest records in the contest by laying the greatest number of eggs. His pen is fine in color and shape as well as leading when it comes to the egg basket. Of course, we all know that after a pullet or hen has laid a large number of eggs, it tells on their appearance for the time being, at least, but that does not necessarily mean that these birds will never be in show condition again, or that their progeny will not be birds good enough to go into the show room. We have been impressed with the show qualities and the beautiful shape and color of one of the New Zealand pens of White Leghorns. This pen comes from a breeder who has won in the contests of that country and is now also making good record here. We are quite certain of one thing, i. e., it is not necessary to breed a flock of mongrels for them to prove to be satisfactory layers.

POULTRY SURGERY

Poultry surgery has not advanced to a degree that we can recommend it for this, that or the other thing, but you may be interested in an operation which was recently performed at this institution.

A Black Langshan hen remained on the nest most of the time and appeared to be broody. In removing her from the nest we could feel what appeared to be eggs in the body cavity and we could apparently hear the shells grinding against each other as we would knead the abdomen. She was a contest hen and we knew if this was the condition that it would probably be only a question of a short time until the hen would die and that it was our duty to try to discover and relieve the trouble if possible.

We proceeded to make an incision in the abdomen of the hen and to our surprise, found six normal and hard

(Continued on page 720)

AMERICAN POULTRY WORLD



DEVOTED TO THE

Upbuilding of the Poultry Industry in All Branches

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STAFF ARTIST:
Arthur O. Schilling.

EDITORIALS

TO DO AND NOT TO DO AT THE CHICAGO A. P. A. CONVENTION THIS MONTH

There is one important thing that the A. P. A. convention should do at Chicago this month, and another important thing that it should not do.

The thing it should do, without fail, is to restore the section of "symmetry" to the standard scale of points for determining the comparative excellence of standard-bred specimens.

The thing it should not do is to eliminate standard disqualifications from our Standard of Perfection.

At the Atlantic City convention last August, a motion to drop "symmetry" from the standard scale of points for all breeds was adopted, although it was reported that such competent members of the Standard revision committee as W. S. Russell and W. C. Pierce were much opposed to this action. The editor of A. P. W. was unprepared for so radical a move, yet did his best on short notice to prevent it. But little discussion took place and the motion to drop the section was declared adopted.

Since last August this action has been objected to, quite generally. Articles of protest have appeared in the poultry press and the question has been discussed freely at poultry exhibitions. Such artists as A. O. Schilling and Franklane L. Sewell are strongly opposed to the elimination of symmetry, and the same is true of such well-known judges as Theo. Hewes and W. C. Denny.

At Atlantic City the point was made (the only "new point", so far as we recall), that if we are to re-

tain the section for symmetry, meaning "harmony of shape" for the breed, then we ought to introduce another section, to be called "harmony of color" to apply with equal force to a harmonious blending of color, or shade of color in all sections of certain varieties, such as the Buffs, for example.

To our way of thinking, this is an excellent idea. In other words, we are in favor of retaining the symmetry section, as relating to typical shape of the breed and also of introducing a section to be called "harmony of color", which shall recognize and reward a general harmonious blending of standard color or shade of color in all sections of plumage, especially on the surface of the specimen.

If not, why not?

Think it over, fellow members, and consider, without prejudice, whether we have not reached a point of progress in the development of standard-bred Buff Rocks, Buff Wyandottes, Buff Leghorns, Buff Orpingtons, etc., where we should add a separate section of distinctive value for the wonderfully attractive "harmony of color" which is possessed in high degree by the best-colored specimens produced each season and placed on exhibition at the leading shows.

The best colored bird does not always win—nor should it. "Shape makes the breed, color the variety", etc., but in perfecting a buff variety, where harmony of color in all sections counts for so much, ought not this highly important value be recognized separately, the same as breed type, or complete symmetry of form? Certain it is, to our way of thinking, that it would be far more scientific and progressive to add a section, "harmony of color" to the standard scale of points than it will be to cut out symmetry, as was proposed and voted at Atlantic City.

Five years ago, when the text or reading matter of the 1910 Standard was approved, also ten years ago when this was done for the 1905 Standard, a more or less vigorous effort was made in committee meetings and at A. P. A. conventions to drop all "disqualifications" from the American Standard of Perfection. It may be that a similar effort will be made this month at Chicago, in which case we earnestly hope it will fail.

As a rule the English "Poultry Club Standard" is cited as a good and sufficient "reason" for our discarding all disqualifications, especially all "color" disqualifications. The English Standard and the well-known English "results" offer but a poor guide. The plain truth is that the English do not produce standard-bred fowls in the same true sense that we do. Almost "any old thing" goes, over there, as numerous American importers have learned to their disappointment and loss. Many English poultrymen are faddists who favor the latest "fashion" to a far greater extent than we do. And it is their "wide open" standards that permit them to do this. We want none of that. With us the production of standard-bred fowl is a great industry, not merely a pastime for a

few dozen so-called "chicken fanciers".

For the protection of breeds and varieties, and also for the protection of the buying public, we need to retain both shape and color disqualifications, within reasonable limits. Let down the bars too far and very soon rank and transmissible breed and variety defects will be common sights in prize-winning specimens at hundreds of poultry exhibitions. Why, we ask, is this necessary, or advisable? If a dozen specimens can be produced that are entirely free from certain unsightly or transmissible defects, cannot one thousand equally good birds be produced? Of course they can, and is it not "good birds", meaning the "attractive" kind in both shape and color, as well as strong in vigor, that we are after, that we want? It surely is—the more of them the better.

To hear some judge or exhibitor lament over the disqualification of a "princely" White Wyandotte, "the bird of the year", etc., on account of "one measly little stub on his shank", would cause the average onlooker to wonder if there is really only ONE truly "wonderful" White Wyandotte male in the whole wide world and this one is "it". As a matter of fact we know well enough that there are dozens, perhaps thousands of other equally good Wyandottes "on earth" that do not have one or more stubs on their shanks, and we also know that in this day and generation of Wyandotte advancement, a specimen of this clean-legged breed, with its inherent tendencies, ought not win a first prize at any properly conducted poultry show if it has one or more well defined stubs on either shank.

Then there is the example of a lopped comb on a sprightly, beautiful Leghorn male. Who will argue that such a comb, when it hangs down over the eye so as to obstruct the sight, ought not disqualify? An upright, moderate-sized, well-serrated comb on a Leghorn male is indispensable to his style and beauty; therefore to remove or discontinue such a disqualification is to "let down the bars" foolishly, doing so without the remotest chance of any compensating gain to the fancier and with slight benefit, if any at all, to the ultra-utility man. No, Leghorns have now been bred "right" so long and numerously that even the "eggs regardless" advocate can have an attractive, distinctive, upright comb on his utility Leghorn males—and if he has sense enough to enjoy the difference between a flower garden and an ice box, he is glad of it.

Next comes color disqualifications. Admit the presence of black in white fowls, or of white in black fowls, and what possible benefit can result? Fanciers, as some of our brethren delight to call themselves, ought not ask for such things. It is their business to produce for us the PRACTICALLY PERFECT SPECIMEN, at least in shape and color, then if their product is lacking in vigor and fecundity, those of us who subscribe to the doctrine of "utility and beauty combined" can help out; but our "fancier" friends should be

the last ones on earth to plead for a dangerous letting down of the bars by eliminating all color disqualifications from the American Standard of Perfection.

Protection of the buying public is indeed a strong argument in favor of retaining various important disqualifications in the Standard. Practically every breed and variety has its "besetting sin", so to speak—has inherent in its blood, dating back to a mixed ancestry, some glaring, unsightly defect that is transmissible and which persists in cropping out, in coming to the surface. It is the duty and privilege of the "fancier" to select and mate his choicest specimens each year in such manner as to eliminate finally all visible trace of these defects. That is the test of his skill and furnishes him his best opportunity for profit.

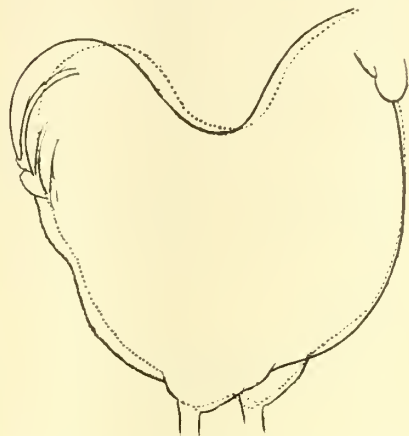
Enough "wasters" are worked off on the ill-informed public as matters are, without removing from our Standard of Perfection the limited number of disqualifications it now contains. Persistently transmissible defects of a serious nature, both as to shape and color, should be continued in our Standard, otherwise the unprotected public soon will be buying lopped-combed, roach-backed, wry-tailed BREEDERS, as to shape deformities; feather-legged Rocks, Wyandottes, Reds and Orpingtons, in place of clean-shanked specimens FIT TO BREED; also peppered White Wyandottes and White Rocks and white-in-wings Black Minorcas, Black Langshans, Brown Leghorns, etc., etc.

For the American Poultry Association this month, or at any other time within the life of the present generation, to eliminate all disqualifications from the American Standard of Perfection, or even all color disqualifications, would be a backward step which we firmly believe could only result in doing the standard-bred poultry industry of the United States and Canada incalculable harm; therefore we sincerely hope that this step will not be taken at Chicago or elsewhere, at least for years to come.

ARTIST SCHILLING'S WYANDOTTE SHAPE OUTLINES ACCEPTED FOR THE 1915 STANDARD

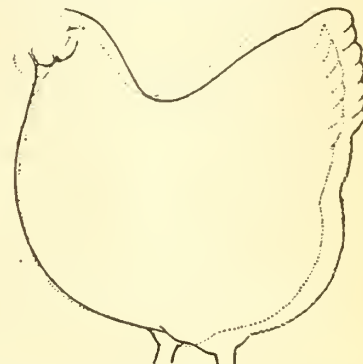
At a meeting of the committee on revision of the Standard of Perfection, held in Chicago late in May, Wyandotte shape outlines, male and female, as submitted by Arthur O. Schilling were adopted and other artists have been furnished these same outlines, with instructions to use them for all Wyandotte "ideal" illustrations that are to be published in the 1915 Standard.

The above action makes sure that all Wyandotte shape outlines, males and females respectively, that appear in the new Standard will be exactly alike in profile, though the legs may be put on a little differently or the head given a slightly different tilt.



the utility values of the Wyandotte race of fowls, express themselves as being well pleased, in fact satisfied, with these latest Schilling Wyandotte standard shape outlines. This includes such men as John S. Martin, Port Dover, Ontario, Canada and Maurice F. Delano, proprietor of Owen Farms, Vineyard Haven, Mass.

During the last ten years or more



The above illustration shows the difference between the present Standard ideals and the outlines of Wyandotte shape that are proposed for the 1915 Standard. The dotted line shows the 1910 outlines and the solid black line the outlines of the drawings that are proposed for the new Standard. It will be noted that the new drawings illustrate birds somewhat longer than the present Standard. This and the modifying of the standard word description for body and fluff to read "moderately short" instead of "short", should put a stop to the favoring of the "snow ball" type that has been favored by some breeders and judges. The Wyandotte is a bird of curves, but is not a circle bird. The proposed types should be a great factor in restoring the popularity of the Wyandotte varieties that have been harmed by the favoring of the ultra short and round type.

A welcome fact of importance is that the standard Wyandotte body, for 1915 and thereafter, is going to be substantially longer, at least in appearance, than the absurd dump-carts in our present Standard. This increase in body length applies to both the male and female. At our request, Artist Schilling has made two line drawings which illustrate the relative increase in body length, both male and female—comparing the length of the 1910 ideals with the proposed 1915 ideals. We say, "proposed", because all illustrations for the 1915 edition of the Standard are to be submitted to the A. P. A. for adoption or alteration at the Chicago convention this month.

It will be noted by the two simple sketches herewith that the body of the ideal Wyandotte male has been lengthened about one-fourteenth and that of the female about one-twelfth. Part of the apparent increase in the length of the female has, in fact, been obtained by lowering the tail quite a little and by cutting away the fluff back of the legs in the 1910 picture. More of the bird's thighs are made to show, which gives us a more alert and attractive looking "ideal", while seeming also to add further length to her body.

Wyandotte breeders who have the good judgment to appreciate fully

there has been severe criticism of the short-bodied, dumpy, snow-ball type of standard or show room Wyandotte, male and female. Numerous strains of show room quality have failed to hold their own as good layers, not to mention record laying, and the eggs that were laid by these "round as a ball" Wyandottes would not hatch well or produce strong, lively chicks. This drag on the Wyandottes gave the Plymouth

PROF. JOHN EVANS, Judge of all varieties of poultry. Orpingtons and Columbians a specialty. I have a few open dates for 1914 and 1915. For information Address: 1185 Cranston St. Cranston, R.I. ORIGINATOR & BREEDER OF COLUMBIAN LEGHORNS

NIAGRADOT

We have ready now cockerels and pullets from our Buffalo, Pittsburgh, Guelph and Toronto winners that will be

WINNERS

in the best shows. You can share these at reasonable prices and they'll give you good practical results too.

MARSHALL & MARSHALL

NIAGARA FALLS, CANADA

WHITE WYANDOTTES

R. C. WHITE
R. C. BROWN
S. C. BLACK

LEGHORNS

S. C. WHITE
S. C. BROWN
SILVER

BLUE RIBBON WINNERS AT NEW YORK, CHICAGO, BOSTON AND BUFFALO

As we will not show at any of the early fall shows we are in a position to fill your order and needs better than ever before. It will be to your advantage to send for our sales list in which we offer New York and Boston winners at one half their actual value. We have hundreds of early hatched chicks that can win for you. Send today for our 48-page catalogue describing our farm and birds. We have pleased hundreds and can please you.

TURTLE POINT FARM,

W. H. Manning, Owner,

W. M. Anderson, Mgr.,

SARATOGA SPRINGS, N. Y.

Rocks and Rhode Island Reds a chance that their champions were not slow to improve. The Orpingtons also moved up into line as rival producers of fall and winter eggs.

During this same ten years various strains of Wyandottes have been developed—notably White Wyandottes—that have ignored, in considerable degree, the “bird of curves” doctrine of the Thos. E. Orr school and have added length of body by letting the trap-nest “do the work” in place of the Gold Dust Twins. Nineteen times out of twenty, to put it mildly, it has been the longer-bodied birds that have shelled out the most eggs and that also have possessed the greater stamina.

Let us admit, as we freely do, that there is a nice balance between the correct or most desirable body-length for a Wyandotte, male or female, and for a Plymouth Rock. The Wyandotte has the privilege of remaining a smaller boned fowl than the Rock, also of making a shorter, plumper-bodied broiler. Both of these valuable utility points should be retained or preserved, but undoubtedly it can be done without too great a shortening of the body and without decorating the “ideal” birds with useless fluff and excess cushion in order to give them the snow-ball appearance.

Again, in nineteen cases out of every twenty, the moderately close-feathered birds will be found to be healthier, to be more active and to be better layers. To this moderately close or tight feathering add moderate length of body for the breed and almost without exception you will have selected the best breeder in a male bird and the best layer in a female, so far as vigor is concerned, and this matter of vigor is of vital importance to every strain of value.

We are thankful indeed that some additional body length is to be given to standard Wyandottes, all varieties. It will greatly benefit the Whites and cannot fail to be of help to the other less popular varieties. There is no variety of standard fowl that should be able to outclass the White Wyandottes in world-wide popularity—no, not even the Barred Rocks or the White Leghorns, but it is exceedingly doubtful if they have held their own against all comers since the 1905 Standard became the guide and fashion.

THE PLYMOUTH ROCK MEN ARE GETTING ANXIOUS, TOO, ABOUT GREATER EGG YIELD

It is a bit hard to decide whether the Plymouth Rock breeders who are asking for a reduction in the standard weights of this breed are doing so with the one idea that it will increase their egg productiveness, or chiefly because they want to go into the show room with younger or lighter weight birds.

Our guess would not be any better than that of some one else, therefore we decline to venture an opinion.

But is it, let us ask, an established fact, that the smaller-sized, lighter-weight birds are invariably the better layers, i. e., are birds that, in a given length of time, and other things being equal, will produce the greater number of eggs?

The nature (so-called “characteristics”) of the breed probably has something to do with it. For example, a three to a three and one-half pound Leghorn pullet-hen seems to be of about the right weight to lay the maximum number of eggs between the ages of six and eighteen months. Would, or could, this record-laying Leghorn produce a still larger number of eggs if she weighed only two to two and one-half pounds?

As yet it has not even been proved that the Leghorns are our best layers, either as to number or weight of eggs in any given length of time. Why claim, then, that smaller size, or less weight necessarily means increased egg yield? Is it always the undersized Wyandotte that lays the most eggs? We do not think so. Not that we favor “over weight” Plymouth Rocks, because we do not; but it would be disappointing to the Plymouth Rock man to reduce the standard weights of their grand general-purpose breed, doing so in hopes of improving the egg yield and then to find that one-half a pound or even a pound, more or less, has nothing to do with it—to discover later on that the ability to “shell out the eggs” in large numbers lies entirely outside of mere weight.

Plymouth Rocks are the “farm fowl” of the New World. They are unexcelled as table poultry, especially as spring fries and roasting chickens. To reduce their weights will injure their standing with the farmers—of this we feel sure. That this reduction will increase their egg production, we do not believe. We have no facts on which to base such a belief. The farmer and his wife “swear by” the present Barred Plymouth Rock and the market poultrymen of the big eastern cities have adopted the White Rocks as their first choice as “prime roaster” stock. Such being the case, why take chances?

For twenty years and more the Plymouth Rocks, as a breed, have held their own as every-day, all-the-year-round layers, also as record layers in the world's contests. Then why reduce their weights at this time? To do so looks more like a leap in the dark than the action of reasonable men based on known facts or conditions. Better wait, so it seems to us, until we have proved that the present weights are really detrimental to the breed, both as a breed and in competition with such rivals as exist for popular favor.

THE POPULAR MADISON SQUARE GARDEN SHOW APPEARS TO BE “UP AGAINST IT”

Editor of A. P. W. was in New York City on Friday, June 26th, and in the late afternoon met Captain Chas. Griffing, for many years treasurer of the New York Poultry, Pigeon and Pet Stock Association, which for a quarter of a century has held annual exhibitions in popular Madison Square Garden.

Captain Griffing had just come from a meeting of the officers of the association and informed us that much to the regret of his associates and himself, the Garden could not be rented the coming winter for December, January or February and that therefore the officers in charge of the Madison Square Garden poultry show had practically been forced to adopt March 4-12, 1915, as the dates of their next annual exhibition.

We asked the Captain if it would not be possible to secure the Garden for the latter part of November, 1914, rather than to go over into March, 1915. He was not sure about this, but said he proposed to find out. The afternoon meeting of officers above referred to was attended by Chas. D. Cleveland, secretary-superintendent of the Madison Square Garden show and by Horace Havemeyer, director, in addition to the treasurer. Twice since then A. P. W. has written to Mr. Cleveland, asking if November dates can be secured, provided every week of December, January and February is sold out, but to date—July 15th—no reply has been forthcoming.

It would seem that if March 4-12 is the best that can be done at the Garden, the association would better go elsewhere, or even skip a year, rather than to try to hold a successful poultry show in March. By the first week of March of each year the poultrymen have their choice birds mated, have begun to set and ship hatching eggs and are themselves fairly swamped with seasonable work that cannot be delayed or delegated to some one else, except at heavy loss.

The last week or ten days of November would be far better than the first week of March and it is greatly to be hoped that when we do hear from Secretary Cleveland, his report will be to the effect that November dates have been secured, in case no possible way exists for “breaking into” the Garden in December or January.

LATER:—After the foregoing item had been put in type, the following telegram was received from Mr. Cleveland: “Madison Square Garden dates are February 12th to 18th”.

*** Properly constructed poultry houses are essential to success. Learn how to build them by purchasing a copy, “Poultry Houses and Fixtures.” Fifty cents post paid ***

BYERS' ORPINGTONS — BUFFS, BLACKS, WHITES

Each season I offer bargains in Breeding Stock and future Show Birds. This month (not next) I offer very exceptional bargains. Take advantage of these to save money and succeed next winter. Special list free.

C. S. BYERS.

(Orpington Specialist 15 Years.)

HAZELRIGG, IND.

PAYING BACK THE MONEY, CASE BY CASE

Since the AMERICAN POULTRY WORLD decided that the one thing left to do, in regard to the oft-repeated misconduct of W. O. Chase, Black Minorca breeder of Hillsboro, Ill., was to publish the facts, Mr. Chase, we are glad to say, has stopped defrauding other people and is making the necessary efforts to raise money with which to pay back sums that he had held in his possession for months, doing so without giving value received or offering a satisfactory explanation.

Following are two recent communications which relate to Mr. Chase's conduct as a poultryman:

HIS MONEY RETURNED TO HIM

"1090 Navigation Street, Beaver, Pa.,
"July 6th, 1914.
"Editor American Poultry World,
"Buffalo, N. Y.

"I am writing you to let you know that I have received my money from W. O. Chase and I want to thank you for what you did to help us get a settlement. I believe it was entirely through your efforts that we ever got our money and I want to again thank you for what you did in this matter.

"Yours very kindly,
"P. B. Broughton".

STILL WAITING FOR RETURN OF \$13.50

"Edwardsville, Ill., July 3, 1914.
"Editor American Poultry World:
"I was told by a friend of mine to put in my complaint about Mr. W. O. Chase with you people.

"I have this to say about Mr. Chase: He is not a man of his word and has mistreated me by making me wait since September, 1913, until now for my money. After promising me time and again to send me my money, he has not done so up to this writing.

"I tried to get my money by asking him in a nice way for settlement, but only received letters, each stating a certain date when he would pay. This he did at least three to four times, but never once did he fulfill his promise.

"The amount is only \$13.50 and if he is half the poultryman that he advertises himself to be, I feel that he could have paid this bill. If there is any way for you to assist me in getting this \$13.50, I shall make it right with you by paying you for your trouble.

"Yours truly,
"Otto H. Sievers".

As a matter of course, A. P. W. makes no charge and accepts no pay in cases of this kind. What we do is done at our cost, on our own responsibility, with a view to helping our subscribers, also as a warning to "bad actors" to get out of, or to keep out of, the standard-bred poultry business.

Our word for it—and we feel that we are in a position to know—there is not now one-tenth the crookedness in the fancy poultry industry that there was fifteen to twenty years ago. Not by a jugful! At present our subscribers can buy whatever they

want in the poultry or poultry supply line of men and firms who guarantee personal satisfaction or a refund of the money paid, on fair terms. This was not so in time past, not to the same extent.

Today, if readers of the leading poultry papers of America are willing to pay fair prices for what they want, they are practically certain of getting reliable goods and satisfactory treatment. The crooks, however, are not all on the seller side of the dividing line—not by any manner of means, and it still is true that the buyer who tries to "get something for nothing", or for less than its true value, is himself inviting disappointment, if nothing worse.

CONTINUED HIGH PRICES FOR MEAT CERTAIN TO BENEFIT THE POULTRY BUSINESS

The daily newspapers of the country are devoting editorial space these days to reports like this one:

"Chicago, Ill., July 9.—By the Associated Press.—Meat prices will rise above the record figures of recent years despite the huge grain crop, packing-house representatives today asserted. They say that the present scarcity of cattle and the effect of dry weather on grazing lands will more than offset the enormous grain yield.

"A beef price of sixteen cents a pound to the butcher was predicted as an early possibility and it was pointed out by one of the packing-house men that cattle even now are higher than for some time. Scarcity of grass-fed cattle was referred to as one cause for the predicted advance.

"The dry summer in the west last year is the chief cause of the present scanty supply on the hoof. Another factor is that the demand for meat exceeds the supply".

The foregoing "news" despatch merely emphasizes a condition that now is generally recognized. It takes more than twelve months to produce beef cattle, and last season was not a good one for making a start. Pasture was uncommonly poor, taking the country as a whole and the prices of other feeding stuff were unusually high, especially so in the case of King Corn. It was useless to advise or to urge farmers to try to do much in this line last spring, summer or fall.

This year we bid fair to harvest extra abundant crops, including corn, though it is too early as yet to be sure about this greatest of all beef and port makers. July and August still are to be reckoned with, as also are the early frosts. Everybody is hoping for a bumper corn crop, to go along with by far the largest wheat crop this land of wheat ever has produced, but it will take another four or six weeks (after August 1st) to turn hope into certainty.

But we have the wheat for our fowls—that much is sure, and there is no better food for them. Give us now a truly big corn and oat crop, and poultry and egg producers should prosper and be happy. It takes two years to "put a beef steer across the scales" ready for market, but only three to six months to bring to marketable size a choice broiler or a prime roasting chicken. The farmer and stockman may come along a year or two hence with a big increase in the supply of beef cattle, though we doubt it, as compared with the still greater demand, but the harvest time for poultrymen and women is close at hand.

As before stated in these columns, we are not much alarmed about "immense" importations of Chinese or European eggs. The idea itself—that of having a Mongolian egg broken into your coffee, or dished up with a breakfast roll—doesn't seem to "taste good", some way or another. No, we've been waiting too long and trying too hard to get really fresh "home made" eggs, to be willing now to accept "heathen" eggs as a welcome substitute. Mark



1st Cockerel, Madison Square Garden, 1913



Head of 1st Pen, Philadelphia, 1913

Summer Sale of Rancocas Stock

Rancocas have in their breeding yard, over sixty birds that have won at such shows as Madison Square Garden and Palace Show, New York City, New York State Fair, New Jersey State Fair, Boston, Philadelphia and Hagerstown. We have hundreds of early chicks bred from them that are coming on splendidly. We propose for the first time in the history of the farm to hold a summersale, and to offer at reduced prices, some of our record birds, together with 200 other choice specimens. This will be an unusual opportunity to secure White Leghorns and White Rocks that have won national fame. The sale will include White Leghorn males that have won as follows: First cock at Philadelphia 1912; First Pen male at Philadelphia 1911; First Pen male at Boston 1913; First Pen male at Madison Square Garden 1910; and such famous White Rock males as second White Cockerel, Boston 1913; Third Cockerel at Madison Square Garden 1913; Fourth Cockerel at Madison Square Garden 1913; and Fourth Pen male at Boston 1913. This sale will include many other record birds and choice breeders. Write for our summer sale catalog.

Rancocas Poultry Farms
Box 610, Browns Mills, New Jersey



Yearlings (hens) 1 cockerel (worth \$5.00) all for \$3.50 don't wait. Order right now while you are thinking of it. Send for catalogue, its free, and the reason why we are closing out all but two breeds.

FORT ANN, N. Y.,

EGGS FOR HATCHING:

Our increased facilities with that of utilizing one entire farm to each breed, (two farms, two breeds) S. C. White Leghorns and Light Brahms, places us in a position to *defy quality and prices with expediency and absolute accuracy assured.* No possibility of anything but careful and intelligent selections of the highest of high grade pure bred S. C. White Leghorns and Light Brahms. You take no chance, neither do we. Underhill gives his entire attention and time to them and nothing else, isn't it worth your consideration? To those ordering direct from this ad mentioning this Journal we will make this *most extraordinary low price.* Eggs from exhibition matings White Leghorns \$2.00 per setting of 15 eggs. High grade utility yearlings eggs \$5.00 per 100, \$40.00 per 1000. Fertility Guaranteed. Baby chicks \$10.00 per 100. One-quarter of the full amount of order at the time it is booked, balance at the time you want them shipped, we urge early booking, a few more Brown Leghorns to close out. 2

Box W,

AN HISTORIC SPOT

the prediction: Little old New York will again be paying six cents apiece for the newly-laid kind next November and December, while the other big centers of population will be following suit to the tune of four and five cents each, the same as last winter and the year before.

As for the prices of poultry meat, there is no prospect of an early slump. These prices are certain to range high, in sympathy with the still higher prices of beef, bacon, ham and mutton. Meanwhile it is reasonably certain that the cost of poultry foods is to be considerably lower this coming fall, winter and spring than has been the case during the last twelve months and more. That will help greatly, because the lower cost of chicken feed is not going to cut down the selling prices of fowls in proportion. On the contrary, the continued high prices of other popular forms of table meat are certain to give a welcome boost to every thrifty, wide-awake poultry and egg producer who has a surplus to sell to his neighbors or in the open market.

STRONG PROMISE OF RECORD-BREAKING CROPS REPORTED BY U. S. GOVERNMENT FOR 1914

Forecasts of the nation's principal crops for the season of 1914 were published by the U. S. Department of Agriculture on July 1, as follows.

"Wheat—Area planted, 53,377,000 acres, compared with 50,184,000 acres last year. Condition, 93.4 per cent. of a normal, 78.6 per cent. on July 1st last year and 81.7 per cent. the 10-year average on July 1st. Indicated yield, 17.4 bushels per acre, compared with 15.2 bushels last year and 14.7 bushels, the average for the past five years. Estimated total production 930,000,000 bushels, compared with 763,380,000 bushels last year, and 686,000,000 bushels, the average for the past five years.

"Corn—Area planted 105,067,000 acres, compared with 105,820,000 acres last year. Condition, 85.8 per cent. of a normal, compared with 86.3 per cent. on July 1st last year and 84.7 per cent. the 10-year average on July 1st. Indicated yield 27.3 bushels per acre, compared with 23.1 bushels last year and 25.9 bushels, the average for the past five years. Estimated total production 2,868,000,000 bushels, compared with 2,446,988,000 bushels last year, and 2,450,000,000 bushels, the average for the past five years.

"Oats—Area planted, 38,383,000 acres, compared with 38,399,000 acres last year. Condition 84.5 per cent. of a normal compared with 76.3 per cent. on July 1, 1913, and 83.7 per cent. the 10-year average on July 1st. Indicated yield 31.3 bushels per acre, compared with 29.2 bushels last year and 30.6 bushels, the average for the past five years. Estimated total production 1,201,000,000 bushels, compared with 1,122,000,000 bushels last year, and 1,131,000,000 bushels, the average for the past five years.

"Barley—Area planted, 7,528,000 acres, compared with 7,499,000 acres last year. Condition 92.6 per cent. of a normal, compared with 76.6 per cent. on July 1st last year and 84.4 per cent. the 10-year average on July 1st. Indicated yield 28.0 bushels per acre, compared with 23.8 bushels last year, and 24.3 bushels, the average for the past five years. Estimated total production, 211,000,000 bushels, compared with 178,000,000 bushels last year and 182,000,000 bushels, the average for the past five years.

"Rye—Condition, 92.9 per cent. of a normal, compared with 88.6 per cent on July 1st last year and 89.5 per cent. the

10-year average on July 1st. Indicated yield, 17.2 bushels per acre compared with 16.2 bushels last year and 16.1 bushels, the average for the past five years".

Makes "mighty good reading". doesn't it? Let us devoutly hope that the harvest days will fully justify these mid-season indications. In large measure they are certain to do so. By July 1st the record-breaking wheat crop was assured and the barley and rye crops were out of harm's way, or practically so. Oats were needing early July rains in various sections, but probably 90 per cent. of the crop was made by the time the following report was published, July 12, in the daily newspapers:

New York, July 12.—It will require pessimism of a rather violent brand to ignore the extraordinarily brilliant crop prospect held out this season and the economic importance of such harvests even if only approximately realized. The government's July figures, published last week, showed that earlier estimates had been diminished in a comparatively insignificant degree. The wheat crop which, by the way, is now substantially made, is estimated at the remarkable total of 930,000,000 bushels, or a matter of 161,000,000 bushels, or 21 per cent. greater than the largest wheat crop ever harvested in the country. The statement also carried the first official figures on corn. The condition of this most important staple was placed one per cent. higher than the ten-year average and a yield is promised of 2,868,000,000 bushels, or the fourth largest on record. The estimate for oats is 1,201,000,000 bushels. Without going further into details as regards the minor grains, it is significant to point out that the composite condition of all crops in the country on July 1st was about 1.4 per cent. above the ten-year average and 8.7 per cent. better than the outturn of all crops last year. The government's July 1st estimates have been supplemented by good weather conditions since that date".

BUSINESS GOOD WITH THEM THE PAST SEASON DESPITE THE GENERAL TRADE DEPRES- SION

Recently we wrote to about a dozen prominent advertisers in these columns, asking them for reports of how sales have been with them the past year and also for their opinion of what the outlook is for the season of 1914-1915.

Following are the first three replies that came to hand. Others will be published next month and the month after:

LETTER FROM MANAGER OF THE RANCOCAS POULTRY FARM

"Brown's Mills, N. J., July 8, 1914.
"Editor American Poultry World:
"In reply to your letter of the other day, would say that the present season has been a good one for us in every way. Our sales of breeding stock, day old chicks and hatching eggs were ahead of last year, in fact the best year we have ever had. Sales in exhibition birds and eggs from our best matings were 33 per cent. larger than last year.
"We have now on hand 8,783 old birds and 26,841 young stock. These latter are practically beyond the danger line and are mostly pullets, as we have already marketed six or seven thousand cockerels as broilers.
"At the quality farm we have approximately 2,500 birds, old and young. Will have pullets laying in August, and have a large number of birds developed, enough to show at the fall fairs. These are of excellent quality. We shipped

1913 Palace Champion Barred Rocks
The "Best Of All" prize, *Best Display* was awarded to *Canavan's Barred Rocks* in the best class of the variety ever exhibited at the Palace N. Y. Show. Stock for sale
P. CANAVAN. PHILMONT, N. Y.

Ferris Leghorns--Buy Now

Special summer discounts on old and young stock. Winners at 20 shows. Trapped to lay more than 160 eggs a year. Show birds for all fairs now ready. Pullets and hens in hundred lots. Choice trios and pens. Satisfaction or your money back. Twelve years of careful breeding and square dealing. Write for big free catalogue. Let us quote you prices.

GEO. B. FERRIS, Ferris Leghorn Farm,
909 North Union Ave., Grand Rapids, Mich.

BIG PROFITS IN CAPONS

Why sell your surplus cockerels for 50 to 75 cents when they will bring \$2.00 to \$2.50 as capons? Illustrated instructions in our book make caponizing so easy that a ten year old child can successfully perform it. Tells where to get reliable instruments; when and how to operate, how to feed, care for and fatten, when and where to market to get the highest prices, etc. Price only 50 cents. Money back if you want it. Capon time is here. Send today.

American School of Poultry Husbandry,
BOX 18. MOUNTAIN GROVE, MO.

3000 REGAL CHICKS



Although we had a cold backward spring up in Canada the supply of Regal Chicks is greater than ever. My first hatch came off January 15th, and by March 10th I had over 1000 big thrifty chicks with scarcely any losses. At the present time I have a flock of 3000 chicks that for quality cannot be surpassed. The early chicks are the most profitable. Why not breed a strain that will give you the early chicks? Regal White Wyandottes have such splendid vigor that I can get chicks whenever I want them. If you wish to make a winning at your State Fair let me quote you prices on matured cockerels and pullets or on exhibition cocks and hens. Send for sale list giving description and price on 425 selected breeders, also 20-page catalogue.

John S. Martin, Box W, Port Dover, Can.

hatching eggs this year to Cuba, Porto Rico, Panama, Denmark, Canada, Mexico and practically every state in the Union.

"I think the coming year will be a good one for all branches of the poultry business. Believe we are going to have an unusual demand for Rocks and the other heavy breeds, for the following reasons: Meat—and when I say meat I mean beef, poultry, mutton and pork—has just about doubled in price during the past 15 years and after studying conditions carefully I am of the opinion that it will double up again in the next ten years. There are less beef cattle in the country now than five years ago and our population is growing by leaps and bounds.

"Where is all the stuff to feed this ever increasing number of people coming from? You can't keep cattle everywhere, but you can keep poultry most anywhere. Intensive poultry keeping has advanced wonderfully during the last five years. I have been surprised at what I have seen accomplished in a back yard, not only in the profit derived, but in the pleasure and recreation that were obtained.

"I do not look for any decrease in the White Leghorn trade, as it is an accepted fact that they are the most economical producers of table eggs in large quantities. A large addition to the meat supply of the country can be made in this way. That this fact is beginning to be recognized is proved by the increasing number of our correspondents that give a street number.

"The United States today leads the world in poultry culture. Foreign countries are more and more looking to this country for breeding birds. The opening of the Panama Canal will facilitate shipping to many countries and the great exposition at San Francisco will open opportunities for increasing our trade abroad. If you remember, the year of the St. Louis World's Fair was one of the best the fancy poultry world ever experienced.

"You will probably be glad to know that A. P. WORLD is bringing us good returns.

"Yours truly,

"M. L. Chapman".

FIRST SEASON IN BUSINESS FOR HIMSELF

"West Springfield, Mass., July 6, 1914.

"Editor American Poultry World:

"Your letter of the 2nd inst. received and contents noted. It gives me much pleasure to tell you of my success in the poultry business during the past season.

"In all lines of the business I have no cause for complaint, for we have had all the trade we could attend to and have been obliged to turn back a number of orders which we could not possibly fill. Of course, I do not feel that my new plant established last February was as successful as it will be another year when we have everything running exactly as we want, for there is always chance for improvement, no matter what one does.

"The demand for fancy or extra choice White Leghorn stock has been splendid and I made a number of large high-price sales. I sometimes think people have gone daft over S. C. White Leghorns, and judging from the number of inquiries I am receiving daily, I look for a still greater demand next year, the call being for birds of all kinds, layers, breeders and show stock. This coming winter and next spring I hope to be able to fill my orders, because I could have doubled my sales if I had the stock to sell.

"Poultry breeders in this part of the country will agree that the exceptionally severe winter injured our egg business to some extent and that our early chicks did not develop as well as we had expected them to do; neither were the eggs as fertile as usual. For that reason, the demand for strictly fancy poultry this season should be increased, because of the scarcity of early chicks.

"This is my first season handling baby chicks and their sale has proved profitable. They run into more money than the hatching eggs do. At present I think they are injuring the egg trade, because most people will buy a chick in preference to an egg, excepting, perhaps, from my best pens. However, I look for the hatching egg business to

come into its own again in the near future. That end of my business has steadily grown and I expect to double it, at least, next year. Heretofore I have not been in a position to handle it properly.

"Taking it all in all, I am sure that the future outlook of the poultry industry is bright, regardless of what a few pessimists may say to the contrary. There always has been a certain number who will worry, no matter which way the wind may blow.

"With best wishes for your continued welfare, I am,

"Faternally yours,

"Harlo J. Fiske".

"P. S.—Perhaps it may be of interest to you if I add that the AMERICAN POULTRY WORLD has been one of the four standard papers which has brought us the good business this past season. It has been said that the postscript often says more than the body of the letter, and you may think so in this case.—H. J. F."

THE HALL MAMMOTH INCUBATOR COMPANY STRONGLY OPTIMISTIC

"Little Falls, N. Y., July 8, 1914.

"Editor American Poultry World:

"In our best judgment the poultry business is about to enter the most prosperous year in its history.

"Facts and figures and not 'psychology' make The Hall Mammoth Incubator Company feel strongly optimistic over the poultry outlook for the fall and winter of 1914 and the spring of 1915.

"It is recognized that ours is a conservative and successful organization. When statements like the above are made it gives indication of a confidence that has firm foundations and is not based on imagination.

"What reason is there for our enthusiasm over the business outlook?

"First and foremost, business is and has been excellent with us. We do not find it necessary to bolster up our courage or take false stimulation to 'stiffen the backbone' or prevent the upper lip from quivering. It is not

necessary to keep making a more or less cheerful noise and whistling like the little boy to show our contempt for the road which may be dark to those whose eyes are blinded by pessimism.

"Naturally, with equipments of the high type and value that we manufacture, we would expect a healthy increase each month over the corresponding month of the previous year. It is imperative that every business should grow with the country or the industry of which it is a part. But our increases in sales are heavier than statistics would lead us to expect. June, 1913, was a record month, but June, 1914, beats it by almost 100 per cent.

"This means several things. The Hall is making money for its users and the demand is such that the users of large equipment are multiplying rapidly.

"Our service specialists are covering practically all sections. They are practical poultrymen who are trained to do more than take orders. They are skilled observers. They help our customers and prospective customers; and, not the least important, they keep us thoroughly posted in regard to the poultry situation.

"The reports from these men, as well as the abundant crop of new business and increases to old equipments, would be sufficient to drive away the blues from any person afflicted with a chronic grouch. In all but a comparatively few cases, there is good business ahead for the poultryman, especially for the man who is a good business man. There is need of just as much brains in the poultry business as in any other commercial undertaking, and we like to emphasize this fact on every opportunity.

"The development and progress of the custom hatching business will never cease to be a surprise to us, even though we have our fingers always on the pulse of the trade. It is not necessary for us to speak of it here, for the facts are more or less generally known even to the lad who has a few hens on the back of a small city lot. But we do marvel when we drive for miles into the country to visit a customer located far from any city or village and then have him report that his 6,000 or 8,000

DR. GLOBE says:

"Poultrymen who are following my advice to use

Blue Ribbon Developing Feed

— AND —

Blue Ribbon Growing Mash

have fine, big Cockerels and Pullets"



If yours are not coming along as fast as you would like, start using these feeds right away and see your stock grow.

To Help your Layers through the Molt and start them Laying again quickly use

Blue Ribbon Laying Mash

any good dealer can supply you. If yours doesn't carry a stock send us his name and write us for Descriptive Booklet "A Few Poultry Feed Truths."

GLOBE ELEVATOR CO.,

91 Kentucky St.,

BUFFALO, N. Y.



egg Hall was not half big enough to handle the business offered to him.

"The quite universal small hatches in the early months of 1914, due to the extra severe winter and the resultant impaired vigor of the breeding fowls, have reduced the available supply of poultry. What happens when the supply of any commodity gets low, especially when demand keeps right on increasing? It does not require a very thorough study of the law of supply and demand to get the right answer.

"In the states where the census dots for each 10,000 hens are almost thick enough to make a blot on the map, there will be a need for more dots than before, for hog cholera and small cattle profits are going to turn many more persons into the richer fields of poultry farming. And we are sure there will be plenty of room and demand for them.

"In the more thickly settled states there will be this year plenty of grain to be turned into poultry and eggs, and we believe there will be better profits for those in the business.

"Bumper farm and fruit crops are going to start into circulation an immense sum of money this year, and poultry, whether a main or side line, will do more than get its share of this new cash.

"Yours very truly,

"The Hall Mammoth Incubator Company,

"Chas. W. Kesser".

BLUE RIBBON POULTRY FEEDS

Many facts regarding poultry feeding are contained in the booklet entitled "A Few Poultry Truths", issued for gratuitous distribution by the Globe Elevator Co., 91 Kentucky St., Buffalo, N. Y., manufacturers of quality poultry feed for all purposes and for all stages of development of your chicks.

These feeds are being used extensively by many of the largest poultry raisers in the country—poultrymen who are engaged in the business for the dollar and have no other income except that derived from the poultry business. Now the point is this, if these poultrymen, and we must admit they are good business men, are willing to place their confidence in Blue Ribbon Feeds don't you think they are worthy of your investigation?

Blue Ribbon Feeds are sold direct at freight prepaid prices and cost no more than inferior and poor quality grains and mill products. Why not ask the Globe Elevator Co., 91 Kentucky St., Buffalo, N. Y., for a copy of the booklet and prices today? A postal card will do.

2,000 BLACK MINORCA CHICKENS

A recent letter from the Hildorfer Black Minorca Farm, Saxenburg, Pa., carries the information that they have had an unusually successful season and now have 2,000 husky Black Minorca chicks on the way to maturity many of which will be in fine condition for the fall fairs and early shows.

They already have a large number of orders for southern and Canadian shows and anticipate a heavy demand for exhibition stock. They will also spare a few selected old birds, both males and females, and would like to hear from A. P. W. readers who are desirous of securing quality in S. C. Black Minorcas. That readers may fully understand the importance of this announcement we will add, that this is the noted "Jumbo" strain that have been such consistent winners at the leading shows for many years.

BARGAINS IN REDS

H. P. Deming, Robertsville, Conn., is making some special mid-season offers on one and two year old S. C. Rhode Island Reds. These birds are the same blood lines as his Madison Square Garden winners and the prices range from \$2.00 to \$5.00 for single birds and from \$15.00 to \$25.00 for pens consisting of one male and four females. For those who desire to make a start in poultry keeping this is a grand opportunity as it not only calls for a small outlay but enables one to start with first class stock.

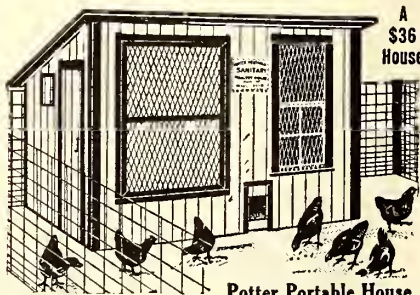


Masterpiece is a very appropriate name for the beautiful White Plymouth Rock cockerel illustrated above for it requires a masterpiece to carry off first honors at Madison Square Garden especially in the popular varieties, a class in which the White Plymouth Rocks belong. To M. L. Chapman, Rancocas Poultry Farm, Brown's Mills' N. J. all credit is due for the production of this and other fine specimens and the superb condition in which they were shown.

CARBOLINEUM

Readers who have experienced trouble with lice and mites in their poultry houses should refer to the advertising of Carbolineum Wood Preserving Co., 190 Franklin St., New York City. Experienced users tell us that one application of Carbolineum a year is sufficient to thoroughly rid the buildings of all lice infection. This should

be a strong point in favor of the Carbolineum treatment as it saves the time, expense and bother of going over the buildings every few weeks during the hot weather, and it is during the hot weather that lice and mites multiply most rapidly. The manufacturers issue a free bulletin giving full information and testimonials from prominent poultry raisers. Better send for a copy today and be sure to mention A. P. W.



No. 5, style "D" 8x10 ft. Potter portable open front, fresh air, scratch shed house, equipped with No. 17, style "A" 5 ft. 3-perch complete henhouse outfit for 30 hens. Price of complete house, \$36. Painted 2 coats.

DON'T KILL or sell your laying hens. Potteryze your flock. Pick out the layers from the loafers and diseased hens. Save food money. Over 50,000 satisfied poultry keepers have our Potter System Book, "Don't Kill The Laying Hen." You cannot afford to be without our too page book. Send for circulars.

DON'T BUILD

you can buy better, cheaper, more complete, ready-made (factory made) hen houses, roosting and nesting features, coops, hoppers, etc. from Potter & Co. We buy No. 1 high grade cypress lumber in car loads, cut and fit all parts perfectly in our big factory and deliver the complete house, coop or fixtures you need in convenient sections all ready to set up.

Potter Poultry Houses and Fixtures

PORTABLE, SANITARY, INEXPENSIVE

Have been sold over 10 years, are used and recommended by thousands who want the best and buy the best in poultry houses and equipment. You start right when you buy a Potter Portable with complete outfit of roosts, dropboards and nests. You save money too. A clean sanitary hen house means healthy hens and lots of eggs.

OUR BIG CATALOGUE contains 112 pages and over 150 illustrations showing Potter Portable houses, coops, henhouse outfits, feed hoppers, brooders, hovers, etc., in fact, everything for the poultry keeper. You need Potter made, high grade goods. Send 2 red stamps to cover postage on our large catalogue and circulars on the Potter System Book.

POTTER & CO., Box E-16, DOWNERS GROVE, ILL.

EVERYBODY'S COLUMN

MORE ABOUT IMPORTED EGGS

Editor A. P. W.:

In my efforts to determine by experiment, whether it was the staleness of the eggs, or the jars of transportation which prevented good hatches from eggs imported from England, I have just concluded my last experiment for the season. I wrote L. Longbottom of Nafferton, Hull, Eng., to send me 30 Red Sussex eggs by a fast steamer, and to have no eggs over four days old when started from his farm. He sent 31 eggs and they came from Liverpool to Jefferson City in eleven days. After resting the eggs 48 hours I placed them under two hens. I have hatching coops with five compartments so that the hen can be kept closed up. In front I have a wire run in which to turn the hen for feed and water. In this instance I dug out a nest in the ground for each hen, placing just a little straw over the bottom. Yesterday I took off 17 as strong and thrifty looking chicks as you ever saw. One hen hatched nine and the other eight. There were three chicks which were fully developed but died in the shell. These eggs were not over 16 days old when they reached me and 18 days old when placed under the hen. This is the only satisfactory hatch out of a great many eggs imported. The results of the others I have given you heretofore. (See Page 686, July.) W. W. Graves, Jefferson City, Mo.

COWS AND HENS AGAIN

Editor of A. P. W.:

The poultry industry attracts very little interest of a large number of people while the mere mention of the subject is received by some with an incredulous smile, but when we stop to think that the value of poultry products in this country rivals in value that of king corn or cotton and is often referred to as the billion dollar industry, and when we reason further that the products of our own grand state for 1913, amounted more than \$34,000,000.00, so that in reply to the question: "Does poultry pay"? we cite these figures and ask: Is it reasonable to your mind to think that an industry whose annual value amounts to a sum so great as to be meaningless to the average mind is conducted year after year on a money losing basis?

Reason refutes such a supposition. If it is, however, it certainly is a sad and deplorable commentary on the business sagacity of the American people, for a large proportion of them are engaged in poultry raising to a greater or less extent.

To satisfy my own curiosity and arrive at conclusions more tangible and satisfactory than guesswork, the writer decided to procure some reliable dairy data to compare with our own carefully kept poultry record in

order to determine their relative producing capacity.

And for the foregoing dairy figures we are indebted to the courtesy of one of our leading dairymen, (one whose name is often seen at the head of the list of creamery patrons receiving the largest check), who at the time was shipping his cream for a fancy price, receiving equivalent to 40c per pound for butter fat when our local creamery paid at the same time an average of 29.2c.

This you will readily agree is not a fair show for the poultry when we consider further that all our eggs were sold at the creamery at creamery prices. This dairy record is from one of the best of the herd, giving last year (1913) 6,612 lbs. of milk at a test of 5.2 or 343.83 lbs. butter fat and is valued at \$100.00.

The record for March of this year (1914) was an income of \$12.21 with butter fat figured at 40c. During this period she consumed the following feed: Corn meal, 81c; oatmeal, 56c; bran, \$1.00; shorts, \$1.00; alfalfa hay, \$3.00; mixed hay, \$1.40. Expense for March, \$7.77, or an average cost per day of .259c.

With 80 S. C. W. Leghorn pullets our poultry record started with November 1st last. We bought a quantity of feed in the fall, and March 24th it was all consumed, so we balanced accounts to see where we were at.

In making our comparison we take the average for this period, although the first month of which they barely paid their board.

In all they laid 344 doz. of eggs valued at creamery prices \$110.30; cost of feed consumed, \$31.10. Net profit, \$79.20. Feed cost per day for 80 .216c; net profit per day, .548c; net profit per bird for period of 144 days, .99c; net profit per bird per

day, .0068c; cost of production per dozen eggs, .109c.

A comparison of the two records discloses the fact that 22 hens represented an equal profit to the \$100 cow and valuing the hens on their producing capacity the same as the cow, our hens should be worth \$4.54 each.

March 24 our laying force was increased 6 hens and to June 18 they have laid additionally 411 doz. and 10 eggs at creamery prices from 16 to 20 cents, brought \$67.94; feed bill, \$15.50. Net profit, \$52.44. Average number eggs per day, 58; average daily income, .799c; average daily feed expense .188c; net profit per day, .611c. All feed consumed is figured at regular store prices.

Net profit per hen since March 24, .609c, which added to the net profit since Nov. 1st, per bird of \$1.599; comparison shows that for the 30 days at a cost of \$1.68, 22 hens produced an equal profit that required \$7.77 with the cow at relatively less labor. Fred Eckley, Barnum, Minn.

RABBIT CULTURE AND STANDARD

A new book on the Rabbit, treating on and giving the Standard for all varieties, Belgian Hares included. Just what is needed by the amateur or professional breeder. Tells how to care for feed and prepare for exhibition; describes methods of housing, breeding and how to treat diseases. It is really the most complete work on the subject ever prepared and is worth dollars to any one interested in Rabbits. Comes in handsome cloth \$1.00. Flexible leather \$1.50 or paper covers .50. Better order copy today. Orders filled promptly. Address AMERICAN POULTRY WORLD, Buffalo, N. Y.

ABERNETHY'S HOUDANS

Lovers of Houdans should not overlook the advertising of Jas. Abernethy, West Pembroke, Me., in this issue. Mr. Abernethy is offering stock at specially reduced prices during the summer months. As his stock has achieved a very enviable record in the leading shows it is not necessary to comment on the quality.



ADJUSTABLE CLINCH

Neatest Band on the Market

25 for 20c; 50 for 35c; 75 for 50c; 100 for 65c; 200 for \$1; 400 for \$2. Sample Free. Postage Paid.

D. P. NORTH,

WAVERLY, N. Y.

The Famous Warren Strain of S. C. White Leghorns

One of the greatest egg laying strains of domestic fowls bred in the United States. They are bred on the largest and best equipped poultry farm south of the Mason and Dixon Line.

Bred in Warren County, North Carolina, where the summers are pleasant. The every day range that they have through the delightful summer helps to develop young stock into good, strong healthy birds brim full of life, vigor and vim with such a strong constitution that our stock and their off-spring are immune from the thousand little ailments of poultry. The winters are mild and invigorating, the stamina, vigor and vim of younger days with them and they shell out the eggs by the thousands.

Combining our ideal delightful climate and the most scientific methods of breeding, etc., we have produced one of the greatest winter laying strains of Single Comb White Leghorns bred in the United States, known as the "Famous Warren Strain", the strain that covers Dixie like the dew.

We have about 18,000 pullets hatched in March and April this year that we offer at only \$2.00 each. If you are in need of foundation stock or new blood in your flock one of these pullets should be worth more to you than the greatest winner ever exhibited at Madison Square Garden. They are not the close inbred, weak and faked stock.

The Famous Warren Strain of Leghorns are bred to meet the requirements of the Standard of Perfection as near as possible though not to interfere with the heavy production of eggs. Remember that nine tenths of the failures with pure bred poultry is caused by weak, run down, inbred show stock that is more worthless than Dune hills, but thousands of people today are making a great success with the Famous Warren Strain of layers.

Out of some 25,000 March and April hatched birds we have picked out a few that will win in any show. We offer them at \$20.00 each.

Yearling hens same price as pullets.

Write us for testimonials and further information or order from this advertisement.

THE WARREN POULTRY FARM

T. M. Bost, Prop.,

WISE, Warren County, N. C.

EDITORIAL NOTES AND COMMENT WILLIAM C. DENNY — ASSOCIATE EDITOR —

It would be well indeed if a statement appeared in the next Standard advising whether the ideals illustrated represented young or old birds, cockerels or cocks, pullets or hens. There are a number of illustrations in the present Standard that appear to represent immature specimens, while others picture fully matured stock.

It was the late Wm. Barry Owen who suggested that illustrations of both young or old male and female of every variety appear in the Standard. We do not say that this is necessary, but there should be some rule for the artists to follow in creating the different ideals. There is a decided difference of form between a cockerel 8 or 9 months' old and a cock bird at 20 months just as there is between a pullet between 7 and 8 months old and a hen after she has gone through her first complete moult. If each Standard variety is illustrated with a single male and female, it should in every case be a well matured, fully developed specimen.

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Seth W. Morton, Secretary of the American Java Association, announces that the annual club meeting will be held during the Greater Buffalo show, November 23-28, 1914. The American Java Association has been organized to promote the welfare and advertise the Java fowl, one of the oldest of American breeds.

There was a time when the Java was popular and extensively bred. J. Y. Bicknell of Buffalo, N. Y., a former secretary of the American Poultry Association and for years one of the foremost of American poultry judges, was formerly among the prominent breeders of Javas of which there are two varieties. Mr. Morton states that interest in the breed is growing and that the American Java Association is making satisfactory progress. He will be pleased to answer inquiries and send information to interested persons that write to him. His address, Seth W. Morton, Secretary, Albany, N. Y.

—o—

T. Cadwallader of Salem, Ohio, who lays claim to the distinction of being the oldest manufacturer of leg bands in the United States, having been continuously engaged in the business for the past twenty years, was a recent welcome caller at A. P. W. offices. Mr. Cadwallader was on a

short business trip visiting Canadian and States dealers in poultry supplies. He was very optimistic in regard to the business outlook of the future and anticipated that the coming season would be one of the best that the poultry industry had ever experienced.

In addition to being the oldest manufacturer of leg bands, Mr. Cadwallader was also the first to use aluminum in their manufacture. Originally all bands were made of copper, but today the new metal has so far supplanted it that a copper leg band is now a novelty. The demand for leg bands has increased to such an extent that Mr. Cadwallader now buys sheet aluminum by the ton and his sales amount upward of three million leg bands each year.

—o—

Maurice F. Delano, proprietor of Owen Farms, Vineyard Haven, Mass., is included among those who report satisfactory trade in sale of stock and eggs during the past season. In a recent letter Mr. Delano writes:

"You will be interested in knowing that my business has been a little greater this past year than was the business of Owen Farms for the preceding year. This advance in the face of the general depression throughout the country speaks volumes for the stability of the poultry business".

Maurice Delano is one of the straightforward, successful breeders of which the poultry business may be proud. He is a credit to the poultry industry. Our acquaintance with him began years ago when we were both breeding Buff Rocks and it has been a source of satisfaction and pleasure to note his success, for he is now the owner of what has often been said to be the finest establishment devoted to standard poultry in the world. He is still a young man, considerably on the sunny side of 40, and we hope that he will be spared for many years of usefulness in the poultry industry.

—o—

Newton Cosh, the popular judge and well known poultryman, who is in charge of the poultry department of Yama Farms, Napanoch, N. Y., writes that while early chicks are not as plentiful at Yama Farms as usual, they have a number of choice early birds to offer, also some choice yearling exhibition and breeding stock in both Barred Rocks and S. C. Black Minorcas. Late hatches, Mr. Cosh says, have been good and the quality

of chicks very promising. Since Mr. Cosh assumed charge of the poultry department at Yama Farms, this farm that makes a specialty of Barred Plymouth Rocks and S. C. Black Minorcas, has been successful in producing the highest quality of stock in these varieties and has been able to win major honors at Madison Square Garden, Buffalo, Toronto, etc. Mr. Cosh will be pleased to hear from and to send information regarding all these varieties to interested persons.

—o—

If the rapid growth and membership of the American Light Brahma Club is to be taken as an indication of growing interest, this worthy breed is on the road to again "come into its own". Assistant Secretary Harvey C. Wood, Bound Brook, N. J., has established a plan of showing the daily membership of the American Light Brahma Club by affixing a rubber stamp at the bottom of his daily correspondence as follows:

"Our membership on March 1st was 171
Today it is 247
We are going to have 500 by January 1st.
YOU CAN HELP. WILL YOU?"

Our letter from Mr. Wood was dated July 22nd, showing that during the fag end of the season, in dog days when it is a common supposition that interest in poultry affairs is at ebb tide, this hustling club official and the men associated with him have, in less than five months, added 76 new members to the club. At this rate the club stands in a fair way to succeed in reaching its membership goal.

There can be but little question of the value of a specialty club in increasing the popularity of any breed or variety if it has the right kind of officers, men who prefer to develop interest in their favorites and extend club work in a legitimate way by sticking to the merits of a question, rather than attempt to give the breed a fast ride to popularity by criticism and fault-finding with all things and all men. One method builds on a solid foundation that will have a lasting influence, whereas the other is as a structure built upon the sand.

—o—

Some of the old crowd of fault finders that tried to make a "Swiss cheese" of the present constitution of the American Poultry Association, and, who prior to the Auburn meeting in 1907, when it was adopted,



BUFF ORPINGTONS

Eggs at half price. Stock quoted far below its real value—40 Cocks and 200 Hens offered singly or in pairs, trios, pens or mated yards. These are a part of our 1914 breeders and worth while for you to own. Have you seen The Orpington Fashion Plate Book? It's crowded with poultry talk, beautifully illustrated, 56 pages. FREE.

A. E. MARTZ & SON, Buff Orpington Specialists,

The Fashion Plates

Box E,

ARCADIA, IND.

predicted all sorts of dire disaster for the A. P. A., are putting in over-time finding fault with the draft of the proposed constitution and laws that is to be acted upon at the Chicago convention this month.

To date, after an apparent great deal of hard work, their attack has been centered, largely on the sections that provide for the licensing of judges, the awarding of association diplomas, etc., by licensed judges, the handling of poultry show-room supplies and a few other minor points in connection with the awarding of A. P. W. specials, judging of A. P. A. official shows, etc. Because of these provisions, this bunch of sore heads have ridiculed the work of the constitutional committee and claim that its work has failed.

The same loud wail was heard from them when summer conventions were provided for, but what has been the result? Since the annual meetings of the association have been held in mid-summer, away from the distracting influences of poultry shows, at a time of the year when the poultry keeper's work would best permit him to leave his stock and combine attendance to the business meeting of the association that is extending the influence of the poultry industry with a vacation trip, the A. P. A. has never had such well attended meetings and has never accomplished so much important and valuable work. After thirty-three years of existence up to the time of the Auburn meeting in 1907, the association had less than 700 members, today it has nearly 6,000. The state of Ohio alone now has more members than the entire association had seven and one-half years ago.

We presume that it is but natural that the A. P. A., the same as every other organization, should have its chronic kickers and knockers, a bunch within its own membership whose delight it is to find fault with everybody and everything. This class of members do little if anything for any association, but go on the principal that having paid for their membership, they are entitled to clog the wheels of progress with criticism and attempted ridicule. So far as the A. P. A. crowd of mules are concerned, we have never known any of them to offer a particular measure that has benefited the association, in fact they have not attended the annual meetings regularly and cannot be expected to be fully informed regarding the association's aims and purposes. They should be reminded that it requires a more skillful workman to construct a building than to tear it down.

—o—

In this month's frontispiece Mr. Schilling has shown in a very interesting and instructive way what the poultry breeder has done in developing various types of head points in Standard-bred poultry. It is a long way between the small comb and wattles of the Standard Game and the

large comb, face and wattles of the White Face Black Spanish. There is also a wide range between the V comb of the LaFleche and the cup-comb of the Buttercup, as there is between the strawberry comb of the Silkie and the attractive rose comb of the Wyandotte.

The skill and patience that has brought about the present perfection and development of these sections, also has produced the various established breed types and the numerous beautiful patterns and markings of plumage found in the numerous breeds and varieties. While the development of these points have been distinct triumphs for the poultryman, he has achieved far greater measure of usefulness in developing the practical values possessed by the different breeds and varieties. Authorities are not required to assure us that the original jungle fowl laid but 30 to 40 eggs at the outside, one or two clutches, during the season. The same skill and patience that has been required to develop form and feather have produced specimens that laid ten-fold that the original fowl produced, and the improvement does not stop in numbers, the size of eggs has also been increased.

As egg production has been improved, so has the size of poultry and the quality of poultry flesh. There is quite a comparison between the small bird of black-red plumage which is said to be the progenitor of all domestic poultry and the splendid roasting fowl found in our best markets that will weigh from 8 to 12 and 14 pounds each. While credit is due to the method of feeding and caring for the noted south shore roasters in this country and the hand-fatted poultry of the Sussex district in England, the poultrymen of these districts never hesitate to pronounce their preference for Standard-bred poultry. The common original farm-yard fowl which in turn it may be said is a big improvement over the

Silver and Golden Campines

DR. J. H. PRUDHOMME, THURMONT, MD.



FIRST PRIZE
BUFFALO
1911

FIRST PRIZE
BOSTON
1909

THE REASON WHY MY WHITE LEGHORNS WIN

The real reason started years ago when I began selection breeding for the pure love of it. Always the wise ones have told me "how I ought to do it". Always I have stuck determinedly to my own method—the Fiske method. The method I decided was right so long ago. Year after year this method put Fiske's birds nearer and nearer the top, until the last few years, Fiske's strain has become a leader.

In last season's shows Fiske's White Leghorns passed all the other leaders. My ribbons prove it. The point that really interests you, is that you can **DEPEND ON** the Fiske strain—that's the matter in a nut shell. The question then is—do you want some of these Leghorns? When?

HARLO J. FISKE
WHITE LEGHORN FARMS

831-B Westfield Street,
W. Springfield, Mass.

PARTRIDGE ROCKS

AMERICA'S PROVEN CHAMPIONS
The best breeding stock and greatest winners always for sale. Eggs in season.
Catalogue for stamp.

BIRD BROS.,

Box 14,

MEYERSDALE, PA.

GOLDEN AND SILVER CAMPINES

Stock for sale. Bred from America's Champion Blue Ribbon Winners at Madison Square Garden, Boston and Baltimore. Write your needs for the show room. Exhibition birds a specialty.

E. F. DEAN,

WILLIAMSPORT, PA.

Two Thousand Choice White Leghorn Pullets

The poultry crop is short and if you want pullets now is the time to place your order.

PULLETS. Three Classes Guaranteed To Lay

In September or Before. In October or Before. In November or Before.

This is the first time we have offered any such number of pullets to the public. Book your order now if you wish to get the birds in the laying houses on time. Our guarantee is back of these pullets and we have a farm with a reputation.

SUNNY BROOK FARM. By Chas. D. Cleveland, Box W, EATONTON, N. J.

DARK CORNISH GET THE COIN

DR. W. A. LOW, Importer and Breeder,

Low's "Ideal" Dark Cornish are winners and will win for you Choice exhibition cockerels and pullets, massive, low built, heavy boned birds. Fully matured and fit for keen competition. Write your wants.

CATONSVILLE, MD.

original jungle fowl has no place with them. They will tell you that the best results in producing the highest quality of flesh can only be obtained from breeds such as the Plymouth Rocks, Orpingtons, Dorkings, Wyandottes, Faverolles, etc.

"Handsome is as handsome does" is the motto to which the Standard-bred poultry industry is entitled, but notwithstanding those who wish to detract from the accomplishments of the men who have devoted time and effort to improving type and color of our domestic poultry, it is to them at least that a large portion of the credit is due for the practical value and usefulness of present day Standard poultry.

—o—

Suggested dates for the poultry show to be held during the Panama-Pacific Exposition are not satisfactory to prominent exhibitors and judges who have expressed themselves. It is the opinion that November 20-25, 1915, is altogether too late in the season, for at that time of the year the stock sales season is at its height, and important as the exposition show may be, few breeders can afford to leave their correspondence and sales campaign and give three weeks which would be the shortest time in which the trip could be made.

Another objection made by prominent eastern and central western exhibitors is that if the show were held on the proposed dates it would interfere with the work of preparing stock for the national exhibitions at Madison Square Garden, Boston, Chicago, Buffalo, Baltimore, Cleveland and Philadelphia. Those who have expressed themselves are in favor of the exposition poultry show being held at least six weeks earlier than the dates that have been announced. It is the general opinion that a show held between September 25th and October 20th, would be the best for all concerned.

It will be regretted if exhibits are diverted from the exposition because of the show dates. The poultrymen of the country have a great opportunity to co-operate with the management of the exposition in assembling a poultry display that will be a credit to the poultrymen themselves and a feature for the exposition. The best results, however, can only be obtained by a united support of the breeders of all sections and if it is going to be impractical for the poultrymen east of the Rocky mountains and in particular those this side of the Mississippi River to send exhibits for an exhibition held after the middle of November, the exposition management should immediately take steps to provide dates that will be acceptable to the largest number of the best breeders.

Another thing that should be changed is the length of the show. As planned, the exhibits are to be assembled on Thursday and Friday, and the poultry show proper will really open on Saturday and extend through the next Thursday. If the exposition is closed on Sunday, this means a five days' show, too short a time for a world's fair poultry display.

It has been taken for granted that the 1915 annual convention of the American Poultry Association would be held at San Francisco at the time of the holding of the poultry show. If this plan is carried out, it may be expected that unless the dates are changed, a small attendance will result as the same objections that apply to exhibitors apply to those who will attend the annual meeting of the association, and in addition it may be said that many who have arranged their vacation periods to attend the A. P. A. conventions will not be able to do this for a November meeting.

The columns of AMERICAN POULTRY WORLD are open to breeders for an expression on this very important question.

—o—

The effort on the part of poultry show managers to increase the length of the show season should not only be appreciated, but is deserving of the support of breeders of Standard-bred poultry and specialty organizations. It is not many years ago that only a few of the smaller shows were held during December. Then Chicago Coliseum in the west and the New York Palace show in the east, two shows that are of more than local interest and draw more than local support began holding shows in December, and they were followed later by Philadelphia. Since then Williamsport, Pa., and Buffalo in the east, also St. Louis in the west have still further lengthened the season by holding their annual exhibitions in November.

A number of excellent reasons can be put forth in behalf of the advantages of exhibiting at these early shows. First, they remove a suggestion that would occur if all the important national shows were held in January and February. Second, those breeders who cater to the early egg trade can exhibit stock and get their birds back home and into the breeding pens, and after giving them sufficient time for recovery may reasonably plan on obtaining fertile eggs during January and February. Third, they enable breeders to strengthen their advertising campaign for the sale of both stock and eggs by advertising their winnings one to two months earlier in the season than if they were compelled to wait for January and February exhibitions. Furthermore, they also

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The Original Poultry Mustard

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Myer's Madison Square Garden, New York, Philadelphia and Hagerstown Winning Line of

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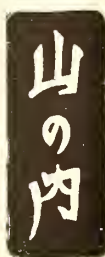
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"O. K." Trade-Mark is on every bale of the genuine



YAMA FARMS

OUR Summer sale offerings include many of our New York State Fair winners, and the males heading the following pens of our 1914 matings. If you have not already received a copy of this mating list, accurately describing these males, we will mail you one upon request.

MINORCAS

Pens 2, 7, 10

BARRED ROCKS

Pens 16, 17, 18, 18½, 19

In addition to these males, we have the finest, most uniform lot of males we have ever offered to the public, at summer prices. Every one sold on a money back guarantee. Write for a complete list of the birds we have to offer. Description, show record, and untouched photographs of many of them will be sent to those interested.

YAMA FARMS,

Napanoch, N. Y.

ROSE'S ORPINGTONS

Have demonstrated their unequalled exhibition quality by winning the premier honors in such shows as Madison Square Garden, Boston, Chicago, Pittsburgh, etc. We have satisfied customers year after year with this same quality. This year having raised the finest flock of youngsters we ever owned, we are in a better position than ever before to send you the quality that will place you among the winners at any show. Now booking orders for future delivery for selected early hatched cockerels and pullets from this noted strain of "Hardy Canadian Bred" Buff and Black Orpingtons. A few choice breeders still remain to be disposed of at summer prices. Write today for my great summer sales list and if you have not received your copy of my beautiful catalogue it's yours for the asking.

HUGH A. ROSE,

BUFFS AND BLACKS

FONTHILL, ONT., CANADA

increase the opportunity for making sales that are not possible in a short show season, and thus assist to increase the volume of business in Standard poultry.

In asking breeders and specialty clubs to support early poultry exhibitions, Geo. J. Hanks, Secretary of the Williamsport Poultry, Pigeon and Pet Stock Association has requested publication of the following:

VOTE EARLY FOR THE PLACE OF HOLDING YOUR SPECIALTY CLUB MEETS

"A strong effort is now being made by many breeders towards the lengthening of the poultry show season, thereby making the season start with fall fairs and continuing without lapse until the last of the winter exhibitions. At this time it might be well to mention that in order to give all shows a fair deal, the specialty clubs should so arrange their voting that the balloting would be finished in time to give the early shows the same chance of securing these meets that the later shows have.

"For instance, Williamsport, Pa., has for years maintained an early date, and while the management of this show has made repeated efforts to secure the state meets of certain clubs, they have failed because of their early show dates. In three instances, Williamsport has been chosen, but as the balloting had been open up to October 15th, the meets came too late to appear in the premium list.

"Would it not be just as easy for the members of specialty clubs to vote in July or August? Would it be any more work for the club secretaries to get out ballots in June, than it is for them to get them out at the last moment just before the show season is in full swing?

"If the clubs prefer these meets to be held in connection with winter exhibitions, is it any more than fair to ask that the shows held in November, such as Williamsport, November 17th to 20th, or Buffalo, Thanksgiving Week, and scores of other shows, that are now coming to the point where they realize that the early shows are doing as much as any other one factor in increasing the volume of business for the poultrymen?

"Insist, Mr. Club Member, that your secretary mail your ballots early, and then make your selection as to where you prefer your meeting to be held, and then help this matter by voting at once after receiving your ballot."

—O—

Len Rawnsley is one of the poultry breeders who has taken up the Sussex fowl and is highly enthusiastic over their merits. Mr. Rawnsley recently took "a swing around the circle" to investigate for himself and find out first hand what the interest in the Sussex varieties amounted to. During a recent visit to AMERICAN POULTRY WORLD offices, he expressed himself as being astonished with the demand for Sussex and the amount of business that is being done in the sale of stock and eggs. Said Mr. Rawnsley, who has seen the rise of the White Orpington in popular favor, "I have never seen anything like it".

Mr. Rawnsley is the third generation of a well known family of English poultrymen, both his father and grandfather before him being prominent breeders and judges. While living in England Mr. Rawnsley was with Mr. O. L. Bates, a well known and successful breeder of Silver Laced Wyandottes. After leaving Mr. Bates, he was with Mr. W. L. Horbury, a noted White Orpington breeder. He left England in 1911, went to New Zealand and from there



1st Prize Cockerel, Madison Square Garden, December, 1911.



1st Prize Cockerel, Madison Square Garden, December, 1911.



1st Prize Cockerel, Madison Square Garden, December, 1911.



1st Prize Cockerel, Madison Square Garden, December, 1911.



1st Prize Cockerel, Madison Square Garden, December, 1911.

OWEN FARMS

**BUFF ORPINGTONS
WHITE ORPINGTONS
WHITE PLYMOUTH ROCKS
WHITE WYADOTTES
S. C. RHODE ISLAND REDS**

ARE READY TO WIN ANY FALL FAIR IN AMERICA

If you need a cock, hen, cockerel, pullet, old pen or young pen to complete your string write me the show you wish to win and receive my price by return mail.

OWEN FARMS READINESS

has resulted in thousands of *first prizes* being won by customers all over the *United States and Canada*, and in this year of general shortage of early hatches our youngsters will make an even better record than in former years, as we have more January, February and early March chicks than ever. *Order early and enable us to put your birds in perfect condition for your show.*

THE UTILITY QUALITIES

of our birds are unexcelled by any and famous the country over. Perfect housing and breeding conditions, combined with perfect health and vigor have resulted in strong, healthy, big boned birds that lay and pay.

Big husky cockerels in all varieties at \$3.00, \$4.00 and \$5.00 each now that will be worth more later. Splendid utility pullets at \$3.00 each now that will be gems for utility breeding the coming season. I want to reduce my large flocks of youngsters while still on range, so as to have plenty of room in winter quarters. *Buy now before the supply is exhausted.* Later prices will be higher, as the supply through the country is fully 40 per cent. short this year.

WINTER SHOWS

You are already looking forward to winning your Winter Show and watching particularly promising youngsters as they develop. Your favorite cocks and hens are moulting and you are wondering if they will round to in time to be at their best to win for you. This is the time to take up with me the question of strengthening your weakest spots, as I will book your order up in receipt of 25 per cent. deposit, balance to come before shipment, and you will have the immense resources of Owen Farms behind you to make your victory certain. Have already booked a number of orders for Fall and Winter Showing and *Remember, I will not sell to two customers to compete in same classes.*

BREEDING BIRDS

It is probably a little early for you to definitely plan your mating for next year, as you want your old birds to complete their moult and your young birds to fully develop. When you do decide what you are needing write me and see if I cannot give you the exact bird or birds you must have to make your 1915 matings stronger than ever. *Owen Farms prices are lower*, quality of individuals and line producing qualities considered, than similar quality can be obtained elsewhere.

Finest Illustrated Catalogue published yours for the asking.

Your absolute satisfaction means my permanent success.

OWEN FARMS

115 William St., Vineyard Haven, Mass.
MAURICE F. DELANO, Prop. FRANK H. DAVEY, Supt

came to America, arriving in 1912. Soon after, he became associated with the Aldrich Poultry Farm, Columbus, Ohio. Mr. Rawnsley severed his connection with the Aldrich Farm July first, to enter the partnership of Mr. Chas. R. Shields of Columbus, Ohio. They will conduct what is to be known as the Rawnsley-Shields Farm and will breed Buff Orpingtons and Red, Speckled and Light Sussex.

—o—

The following letter from Aldrich Poultry Farm that reports splendid business in White Orpingtons and expresses a decidedly optimistic view for fall and winter trade is an indication that a good demand and sale for first class stock and eggs of this popular variety continues:

Columbus, Ohio, July 17th, 1914.
American Poultry World,
Buffalo, N. Y.

Gentlemen:—I am pleased to say that business prospects are looking very favorable indeed. We are having inquiries for good stock for the early shows much earlier than usual this season.

We have about 500 more young birds than we raised last year and they are showing excellent quality and a large number of them will be ready for the early fall fairs. A large number of these were bred from our 1st prize cocks and cockerels at the Chicago and Madison Square Garden shows last December, and promise to make as good birds as the birds from which they were bred.

Our plant has been considerably enlarged this summer, and with the extra stock we expect to be able to supply the big demand which is sure to come on account of the scarcity of early hatched chickens all over the country. Inquiries for the fall shows have been coming in very rapidly, and we have already booked several thousand dollars' worth of birds for the coming season's shows. During the past week we have booked orders for several birds at \$100 each and over, including one hen at \$250, thus showing that the interest in White Orpingtons is as great as ever, and people are wanting to purchase the best birds that can be obtained. Among the orders recently booked is one for several hundred dollars' worth of birds to go to Mexico as soon as the railroads are in shape to take them.

Our egg sales this season are 20 per cent. higher than last year, and stock sales 30 per cent. more, and we have also booked more orders up to date than we had booked two months later in the season last year, all of which looks very promising.

Very truly yours,
Aldrich Poultry Farm,
By E. S. Aldrich.

A. P. W. has frequently stated that the White Orpingtons because of their splendid utility values were here to stay. As a market fowl, possessing fine quality of flesh and an abundance of it, one that matures early and that has also been proven to be a splendid winter layer, the White Orpington became popular more quickly than any other variety yet introduced to American poultrymen. Through the skillful handling by American poultry breeders, it has been perfected in both type and color of plumage until today it is a most attractive and substantial variety of Standard poultry. Aldrich Poultry Farm is among the number of breeders who pinned their faith in the variety as having a future. Their past season's business indicates that they were not mistaken.

SHALL PLYMOUTH ROCK STANDARD WEIGHTS BE CHANGED?

By William C. Denny

(Continued from page 750)

MR. DELANO SAYS PRESENT
WEIGHTS ARE ABSOLUTELY
CORRECT

"Vineyard Haven, Mass., July 21, 1914.
"American Poultry World,
Buffalo, N. Y.

"Gentlemen:—I am very much opposed to reducing the Standard weights of the Plymouth Rocks. The Standard weights as they now stand are absolutely correct for the breed. The trouble is that there has been a craze for over weight and it is the over weight birds that are not particularly fine layers, while birds of Standard weight are a superb utility fowl.

"So far as I know, the Barred Rock breeders are the only ones who want the weights reduced. Their reason for it is obvious. The smaller the bird, the narrower the barring and the craze for extremely narrow barring has produced under sized Barred Rocks. There is no reason, however, why the White Rocks and Buff Rocks should suffer because the Barred Rock men want the weights reduced to fit the birds they are breeding.

"Very truly yours,
"Maurice F. Delano."

WOULD BE AN INJURY TO THE
BREED

"Lancaster, Mass., July 20, 1914.
"American Poultry World,
Buffalo, N. Y.

"Gentlemen:—I am very much opposed to the movement to reduce the weight of Plymouth Rocks. The Plymouth Rock has made its reputation as a

GET MORE EGGS
Twice as many by feeding green cut bone.
MANN'S BONE CUTTER 10 Days
Free Trial
No money in advance. Cat'lg free.
F. W. Mann Co., Box 355, Milford, Mass.

BABY CHICKS AND DUCKLINGS
S. C. White Leghorns - 10 cents each
White Rocks - 12 cents each
White Runner Ducklings - 20 cents each
Catalog Free. Capacity 100,000 annually
BABCOCK POULTRY FARM, FREDONIA, N. Y.

FOGG'S S. C. WHITE LEGHORNS
Get our special Summer prices on eggs for hatching, breeding birds and young stock. We guarantee satisfaction. Write us your wants.
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MONMOUTH LEGHORNS PRIZE WINNERS
S. C. White and Buff Leghorns of the best strain of the best egg laying breed. The "20th Century Dual Purpose Fowl." Write for catalogue.
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Winners at the largest shows and grand Pens mated for Eggs and Baby Chicks. Send for catalogue and learn more about the coming BUFFS.
Harry Covert, Spec., 2500 N. 13½ St., Terre Haute, Ind.

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A GREAT BIG HAND GRINDER
that will furnish 1 to 2 bu. per hour of ground corn, oats, peas, dry bone, etc., for poultry feed. Shipping wt. 40 lbs. Get Circular.
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Columbian Wyandottes
10 cocks and 100 hens. Cut prices for next 30 days. Ask for prices and descriptions.
LEVI A. AYRES, Box B, GRANVILLE, N. Y.

KENTUCKO WARE
Mechanically perfect—locks it—protects bird health and profits. Send for big free circular.
KENTUCKY STAMPING CO., 114 15th St., Louisville, Ky.

GREAT SUMMER SALE AT FERNBROOK FARM
WHITE WYANDOTTES, MAMMOTH PEKIN AND WHITE RUNNER DUCKS
Hundreds of fine breeding birds at one half our regular prices. Don't miss this sale. Remember our birds have won at Madison Square Garden, Albany, etc. For prices write
FERNBROOK FARM, Arthur C. Bouck, Mgr., Menands Road, ALBANY, N. Y.

BARGAINS IN S. C. R. I. REDS One and two year old hens \$2.00, \$3.00 and \$5.00 each. Breeding pens of 4 females and one male \$15.00 and \$25.00. Some blood lines of my Madison Square Garden winners. Order early.
H. P. DEMING, ROBERTSVILLE, CONN.

SINGLE COMB WHITE LEGHORNS EXCLUSIVELY

D. W. Young's strain, the finest in the world. 2000 layers on free farm range in four fields. 1000 yearling hens for sale at \$1.00 each in lots of 20 or more. Fine breeding cocks and cockerels at all times. My book, "Profits in Poultry Keeping Solved," price \$1.00, or given free with all \$10 orders. Circulars free.
EDGAR BRIGGS, Box 31, PLEASANT VALLEY, N. Y.

**BELIEVERS in Mash Foods will find it worth while to give
SPRATT'S EGG MASH**



a trial. This food contains over 23 per cent. protein, and is used by the leading fanciers throughout the country. Spratt's Mash is a combination of carefully selected grains, meats, seeds, etc., blended together so as to form a balanced ration. Birds fed on

Spratt's Poultry Food No. 3

will have strength and stamina and will pass through the moulting season without much trouble. Write for samples and send 10 cents for "Poultry Culture."

SPRATT'S PATENT LIMITED, Newark, New Jersey

practical market fowl and for broilers and roasters they have no superior. They are the best all the year round layers among the larger breeds. The Plymouth Rock has created this world wide popularity as a utility fowl with its present standard size and it will injure their popularity to reduce the weights at this time. It is not a fact that the light weight Plymouth Rock females are the best layers. In any good strain of Plymouth Rocks where the chicks are grown under favorable conditions the cockerels will weigh 8 to 8½ lbs. at six months old and the pullets will weigh 6 to 7 lbs. at the same age. These birds will mature into cocks and hens of the present Standard weights with no extra care and can see no reason for any reduction in the new Standard.

"From a fancier's standpoint, I believe it would be an injury to the breed as the demand for the trade is for breeding birds that are up to or about the Standard size. While I oppose any reduction in weights, I do not believe in coarse, heavy weight Rocks that mature and feather slowly. Breed them close to the present Standard and the Plymouth Rock will maintain its reputation as the best all round utility fowl.

"Very truly yours,
"A. C. Hawkins".

WEIGHT MUST BE REDUCED

"Lancaster, Mass., July 16, 1914.
"American Poultry World,

Buffalo, N. Y.

"Gentlemen:—I am most heartily in accord with the movement to reduce the weight of the Barred Plymouth Rocks. I have been breeding them for nearly 30 years, and have always thought that the Standard weight was too heavy, both from a fancier's point of view and from the utility side also. To show a cockerel or pullet at their best as regards color and barring, they have to be pushed hard and forced to increase flesh to do it. And it is the medium sized, active, hustling female that is the layer 99 times out of 100. The medium sized birds are ready for market before the big, over-grown ones are, and are finer quality of poultry. The large hen or pullet is hard to keep in laying condition, for if with a flock of birds of the active kind, she makes a hog of herself and gets over fat, which the medium sized bird seldom does.

"IF THE BARRED PLYMOUTH ROCK IS TO MAINTAIN THE PRESTIGE IT HAS LONG HELD AS A GENERAL PURPOSE FOWL, THE WEIGHT MUST BE REDUCED.

"Very truly yours,
"C. H. Latham".

STANDARD WEIGHTS ARE EXACTLY RIGHT

"Fort Wayne, Ind., July 16, 1914.
"American Poultry World,

Buffalo, N. Y.

"Gentlemen:—The Standard weights of Barred Plymouth Rock cock birds, 9½ pounds, and hens 7½ pounds, are just exactly right. If we reduce the weights to 9 pounds and 7 pounds respectively, we will naturally be reducing the size of the birds. If there is one factor which has added greatly to the popularity of Barred Rocks among the American people in general, it is the size and ruggedness which they possess. "The contention is made that if we

reduce the size, we will increase the laying qualities of the chickens. Even if that were true we would undoubtedly reduce the vigor and stamina at the same time. However, it seems that the Barred Rocks have been able to hold their own as layers in practically all the laying contests at the Standard weights which are governing them at present, and it is a question of grave doubt whether the egg laying qualities will be increased if we reduce their weight.

"It seems, therefore, very doubtful whether reducing the Standard weight will make any improvement in any direction whatsoever, while at the same time there is no question whatever that in other directions their usefulness will be greatly impaired. Therefore, let us hold what we have, lest some other breed wrest away our crown.

"Very truly yours,
"W. D. Holterman".

TIEO. HEWES SAYS IT WOULD BE A SERIOUS ERROR

"Indianapolis, Ind., July 15, 1914.

"American Poultry World,
Buffalo, N. Y.

"Gentlemen:—It would seem to me that any reduction in the weights of Plymouth Rocks, or in fact any of the American breeds, would be a serious error.

"We pride ourselves as Americans, as having produced in the Plymouth Rocks, Wyandottes and Reds, three of the best all around breeds ever produced in this country or abroad. We have now bred them to a standard long enough to know that the weights allowed them in our American Standard of Perfection can be attained; we have a symmetrical bird, both in the male and female; and to make any reduction, would mean an entire readjustment of conditions, in fact all the sections would have to be drawn down in proportion in order to hold the outline that has become a

SELLING OUT my this season's breeders to make room for the finest lot of S. C. White Leghorn chicks I ever raised.

A. FISHER, R. F. D. 2-W, CANASTOTA, N. Y.

THE GREAT LEGHORN FARM

Eggs for hatching half price after the 10th of May, in R. C. Brown, S. C. Brown, S. C. Buff and S. C. Black. Some fine exhibition birds for sale in the fall. HENDERSON & BILLINGS, ST. MARYS, ONT.

Dartmoor Dark Cornish Win at Chicago, Dec., 1913. 1-5 cock, 4-5 hen, 1 cockerel, 2 pullet, demonstrating the fact that the Dartmoor line is still a leader among Cornish. A limited number of eggs for disposal. Write your wants.
Dartmoor Yards, C. S. Brent, Prop., Oconomowoc, Wisc.

MEIRS' S. C. BROWN LEGHORNS

First prize winners at Madison Square Garden, Philadelphia, Allentown, Hagerstown, Scranton, Williamsport and other leading shows. Eggs from pens containing winners \$5 per set. C. O. MEIRS, BANGOR, PA.

LARGE EGGS!

How? Why? Feed your hens right! Free book "The Golden Egg" tells how. Write today.
HUMPHERY, Buff St. Factory, Joliet, Ill.

DUTTON'S R. and S. C. RHODE ISLAND REDS

I will have 300 Reds to sell next December and January, bred from my New York and Buffalo winners, the finest lot I ever raised.
E. M. DUTTON, NEWFANE, N. Y.

ADJUSTABLE CLINCH—STRONG AND DURABLE

The Band for Business. 25-20c; 50-35c; 100-65c; 200-\$1; 1000-\$4.25. No stamps. Return if not satisfactory. Samples free.

FRANK CROSS, Mfrg.
Box 500, Montague, Mass.

HALBACH'S WHITE PLYMOUTH ROCKS

Won every first and second at Chicago. Write for free bargain sales list. It offers the most attractive bargains you have ever known. Don't miss it but write now.

H. W. HALBACH, Box 3, WATERFORD, WISC.

POLEY BUFF ROCKS

300 Breeders at reduced prices for sale. Get catalogue and price list of same.
JOHN W. POLEY, Box W, LINFIELD, PA.

A. B. C. AGAIN SUPREME

At the Rochester Industrial, September 15-20, 1913. The A. B. C. Strain of S. C. Buff Leghorns prove themselves invincible. In a splendid class they win under Judge Bean: Cocks, 1-2; Hens, 1-2; Cockerels, 1-2; Pullets, 1-2; Pens, 1-2. \$10.00 in gold for best display in competition with all varieties in the Mediterranean class. Judges and breeders agreed that never had such a string of Buff Leghorns been shown by any other breeder. Showing the wonderful uniformity of type and color through my flock. 100 cockerels and pullets ready to go in the show room now. Free,—Illustrated Catalogue and price list.

A. B. COX, 49 Thurston Road, ROCHESTER, N. Y.



Young's Strain S. C. White Leghorns

I HAVE NO OTHER BREEDS

They are the standard for all the Leghorns of all America and the greatest layers of all domestic fowls. At the World's Famous and Premeir Show of America, at Madison Square Garden, New York, for the past thirteen consecutive years I have won best display, and from three to five first prizes, every bird being bred and raised by me. Hundreds of yearling hens for sale from my best line bred laying stock.

Mating List Free.

D. W. YOUNG,

MONROE, N. Y.

fixture in the minds of the breeders and the judges.

"This, alone, in my opinion, should be sufficient reason to leave the Standard as it is, so far as weights are concerned, but there is another reason and from an American standpoint, a very important one.

"The Orpington, without question, the greatest breed that England has ever produced, has today a higher standard weight than any of our American breeds, and let it be said to their credit that this weight is easily attained, and any reduction of weight on American varieties would make the English bird all the more popular and indirectly injure the standing of our popular American productions.

"Yours very truly,

"Theo. Hewes".

A REDUCTION OF ONE-HALF POUND ON COCKS AND HENS WOULD BE AN ADVANTAGE

"Waltham, Mass., July 17, 1914.

"American Poultry World,
Buffalo, N. Y.

"Gentlemen:—Mr. Bright and I both agree that a reduction of $\frac{1}{2}$ pound on cocks and hens would be an advantage, but would not consider any change in the weight of cockerels and think that the half pound already removed from the Standard weight of pullets is sufficient.

"My reason for seeking a reduction in standard weight on Barred Rock cock and hen is that the extremely large birds are not good business fowl. After many years' experience and constant experiments in regard to this question, find that the so-called inclination credited to the Barred Plymouth Rocks to lay on surplus internal fat is caused by an attempt by fanciers in the past to develop their birds to Standard weights at an early age. Almost every instance where a Barred Plymouth Rock hen has shown superiority as a laying proposition, this specimen has been under Standard weight rather than over.

"As the conditions are at present in this matter, in regard to the demand that a bird of Standard weight show also best business properties, it is certainly a sure outcome that we must breed our Standard birds more along business lines, and I certainly feel that a reduction in weights as advocated by the American Barred Plymouth Rock Club is both sound common sense, and more than that is absolutely necessary.

"Very truly yours,

"Grove Hill Poultry Yards,
"F. G. Cook, Supt".

REDUCED WEIGHTS WILL MAKE THEM MATURE EARLIER

"Irondequoit, N. Y., July 17, 1914.

"American Poultry World,
Buffalo, N. Y.

"Gentlemen:—I favor the proposed reduction in weights of the Plymouth Rocks only from a practical standpoint and believe that this change will make them an earlier maturing variety by at least three to four weeks, and consequently earlier layers and greater layers than now.

"As the Plymouth Rocks now are, the breeders have no particular reason to question their general or all-round qualities, for they well meet all popular demands with a high average of worth and quality, still for all this we can see what we believe is further room for improvement and therefore hope this progressive idea will prevail to fully demonstrate that the proposed weights are the real ideal and at which the Plymouth Rocks are at their best as producers.

"Years of experience has proven to us that the medium sized females of all varieties are the greatest layers, therefore to insist on extra size and weight would simply be a handicap. The most reliable records we have prove this to be true, further the best official and public records we know of for this variety were made by females of just about the weight we ask now to be adopted as Standard.

"Very truly yours,

"H. P. Schwab".

MAINTAIN PRESENT WEIGHTS, OR REDUCE COCKEREL ALSO

"Leominster, Mass., July 18, 1914.

"American Poultry World,

"Gentlemen:—I think it is all wrong in reducing the cock bird $\frac{1}{2}$ pound, unless the cockerel is also reduced the same amount. Through my experience I have always found that a Barred Rock cockerel at 7 months old, weighing 8 lbs. or in other words, the present Standard weight, will make a $\frac{9}{16}$ lb. cock or over. So in this instance, it would not matter what reductions you make in the cock bird in your Standard, he would still go over $\frac{9}{16}$ pounds. To make a 9 lb. cock-bird you will have to have a cockerel at 7 months' old weigh from 7 to $7\frac{1}{2}$ lbs., then you will get a 9 pound cock-bird. This reducing $\frac{1}{2}$ pound off the cock-bird and not reducing the same amount off the cockerel will make a 'mis fit'.

"I have never found it difficult to get yearling cocks $\frac{9}{16}$ pounds or over, but I have found it difficult to get a full furnished cockerel weighing 8 pounds, and I think if there should be any reduction at all to help the breeders, it should be taken off at the most difficult part of the business, or in other words, it should be the cockerel that should be reduced $\frac{1}{2}$ pound in place of the cock.

"From an exhibitor's point of view, we find at our largest shows such as New York and Boston, many birds, especially cockerels, that are not fully furnished. For instance, you will find them with half-grown tails and very gawky and lacking in breast, and if anything, we want a faster matured cockerel if we can get them. If we can

ENGLISH PENCILLED RUNNERS

BRED-TO-LAY BARRED ROCKS

Great Summer Sale of hatching eggs and stock either variety.

Brookhaven Farm, Mrs. Andrew Brooks, R. 6, Auburn, N. Y.

S. C. WHITE LEGHORNS The kind that Win, Lay, Pay. A choice lot of breeding stock for sale, prices on application. Fine lot of early birds growing into layers and winners. Write your wants.

WILLOW BROOK POULTRY YARDS

C. E. Pemble, Prop., R. 4, PEORIA, ILL.

OAK GROVE S. C. WHITE LEGHORNS

Stock and eggs for sale, also have some fine birds for sale. Write us for mating list, also our winners. **OAK GROVE POULTRY FARM**
Surfus & Stage, Props., KIMMEL, IND.

BUTTERCUP

EGGS Fertility Guaranteed. Loring (large egg) Strain. Circular free For Hatching. J. S. McBRIDE, BEVERLY, O

TORMENTED BY LICE

Your hens cannot, will not lay. Permanently eradicate lice by once a year application of Avenarius Carbolineum. Not a louse, not a mite can survive.

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Earn a dollar by sending your order for magazines to us ***

SACRIFICE SALE OF S. C. WHITE LEGHORNS

500 yearling hens of Eagle Bay quality must go during August at 80 cents each, any number; also a fine lot of young stock for the early fall shows in Leghorns and Reds, both combs.

Address, Poultry Department of Eagle Bay Farm, F. A. House, Mgr., Silver Creek, N. Y.

TRACEY'S CHAMPION S. C. REDS

have won Blue Ribbons and Championship at Madison Square Garden, the Palace and Boston, both for himself and his customers. Stock for sale.

GEORGE W. TRACEY,

KINDERHOOK, N. Y.

IF I BUY BABY CHICKS WILL THEY MATURE INTO PULLETS LIKE THESE?



Will they grow into birds that I can feel proud of and that will lay Winter Eggs in quantities, or win the blue ribbons for me, or will they be just scrubs, that's the question before everyone who buys day-old chicks. It is not the first price that counts, but will they be right at maturity?

Caldwell's White Plymouth Rocks (Fisbel Strain) "Baby Chicks of Quality"

From Utility Matings

Will mature into long backed, well made birds, pure white in color, that will be the secret of "Winter Eggs". Every utility breeder is descended from known good layers that have been bred that way.

From Exhibition Matings

Will mature into blue ribbon winners. Every exhibition pen is made up of birds with good combs, of good type and chalk white in color, possessing blood lines of generations of Fisbel blue ribbon winners. Our birds were among the principal winners at the Indiana Fanciers' Show, Indianapolis, 1912.

A New Catalog is Now Ready

One of the finest ever issued by any breeder. It tells just how "Baby Chicks of Quality" are produced and describes every grade of stock that we have to sell with prices. A copy is ready for you.

The Caldwell Selling Plan

no only arranges for the man who orders in advance but for the one in a hurry. Thousands of eggs are setting which will make possible DELIVERY OF ANY NUMBER ON SHORT NOTICE.

R. C. CALDWELL, Box 102-A, LYNDON, Ross Co., OHIO

do this the cock-birds will assuredly come to Standard requirements.

"Some years ago the Barred Plymouth Rock pullet was reduced $\frac{1}{2}$ pound which I think is low enough for the female, as we all know that the females mature a great deal quicker than the male, so if the pullet can be reduced $\frac{1}{2}$ pound less, assuredly we can afford to reduce the $\frac{1}{2}$ pound on the cockerel, but I believe the whole question should be very carefully thought out before we jump to too quick a conclusion, as the Barred Plymouth Rock of today has a very strong competitor in the Orpingtons which come in the heavy class. If we back the Barred Rock down from the heavy class we are going away from a class that we can hold our own in, and if we accept all these cutting weights we shall then be going into competition with R. I. Reds and Leghorns as a laying class, while we know that a Plymouth Rock is practically a producer of both eggs and meat and has always held its own in both this country and foreign countries.

"Yours very truly,

"Haldie Nicholson".

CHANGE NOT ENOUGH TO AMOUNT TO ANYTHING

"Brown's Mills, N. J., July 17, 1914.

"American Poultry World,
Buffalo, N. Y.

"Gentlemen:—I am opposed to any change in the weight of Plymouth Rocks.

"I realize that in some sections of the country, there has been a tendency to breed Plymouth Rocks much larger than the Standard weight, and I think this has been to the detriment of the breed, as, when you increase the weight much above the Standard, you are leaning to the meat type of a bird at the expense of the laying qualities. If the judges would put the prizes on birds of Standard weight, I do not think there would be much cause for criticism; but the trouble is, that it is not the $7\frac{1}{2}$ lbs. birds that are winning in the large shows of today; it is the hens that weigh 10 lbs. I do not think that a hen in White Plymouth Rocks under 9 lbs. has won first at New York or Boston for the past 10 years; the cock birds that win will average 11 lbs. in weight. I think this is too large for a Plymouth Rock. Lowering the Standard weight might improve the laying qualities of the breed; but the strong point of the Plymouth Rock is that it is a bird that is good for marketing, and also a good layer; and we want to keep it as the all-round middle weight champion.

"Furthermore, I am against continually meddling with our Standard laws. The change suggested from $9\frac{1}{2}$ to 9 lbs. for instance, is one that could not possibly be told without a pair of scales. This is not enough to amount to anything, one way or the other. There is one plan of judging Plymouth Rocks in reference to weight that I have always felt was a poor one; that is, cutting birds for any under weight, and allowing one pound over weight without cutting. If $9\frac{1}{2}$ lbs., for instance, is a perfect weight for a cock; anything over that is wrong, just as much as anything under. If you allow a pound over weight, you are practically assuming that two weights can be perfect, that is, from $9\frac{1}{2}$ to 10 $\frac{1}{2}$; but if the bird is a quarter of a pound under he must be penalized. This is poor logic. If 9 $\frac{1}{2}$ lbs. for a cock bird is the perfect weight, any deviation should be penalized whether over or under weight.

"Very truly yours,

"International Poultry Sales Co.

"M. S. Chapman,

"Mgr. Breeding and Exhibition Depts".

THE CONNECTICUT EGG LAYING CONTEST

By William F. Kirkpatrick,

Poultry Husbandman, Storrs Agricultural Experiment Station, Storrs, Conn.

(Continued from page 752)

Cecil Guernsey, East Cobleskill, N. Y., White Leghorns, 1187.

A. B. Brundage, Danbury, Conn., S. C. Rhode Island Reds, 1185.

Storrs Experimental Station, Pen 41*, White Leghorns, 1157.

Dr. J. A. Fritchey, Harrisburg, Pa., S. C. Rhode Island Reds, 1146.

Storrs Experiment Station, Pen 40*, White Leghorns, 1135.

P. G. Platt, Wallingford, Pa., White Leghorns, 1130.

Branford Farm, Groton, Conn., White Leghorns, 1126.

* Not in competition.

SILVER CUP FOR EVERY SHOW

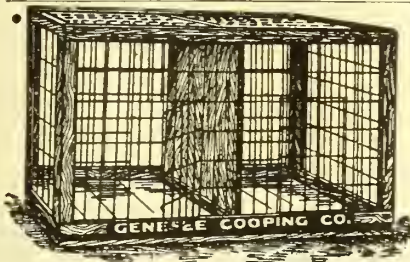
In addition to the cups offered by the National Single Comb Buff Orpington Club for the National, Branch and State meets for 1914-15, a plan has been evolved whereby every poultry show in the world may secure a cup for best display of Single Comb Buff Orpingtons. Also five beautiful ribbons suspended from emblematic medallions. Whether your show coops 100 or 5,000 birds, write for full particulars. No show is too small to be included in this offer. For full particulars address M. S. Brady, Secretary, Richards, Mo.

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EVERGOLD BUFF DOTTES Elegant illustrated methods of feeding and breeding Buff Wyandottes, only 20 cents. Price list and mating list free
ROCKY RUN FARMS, Box 40, **NORTHFIELD, OHIO**
W. G. MARSHALL, Prop., GERALD WILLIAMS, Mgr. Poultry Dept.

JIM CRACK HOUDANS

WINNERS TORONTO, GUELPH AND BOSTON. Illustrated Mating List.
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Write for illustration showing Genesee System of all metal sanitary cooping.

Good second hand coops for sale.

Cooping shows on rental our specialty.

GENESEE COOPING COMPANY

Geo. W. Webb, Mgr., **ROCHESTER, N. Y.**

Harter's Imperial "Golden" Buff Plymouth Rocks

Win Special for Best Display at the Great New York State Fair Sept. 8-13-1913

Complete winnings were as follows:—1 cock, 1-3 hen, 3 cockerel, 1 pullet, 2 pen old, 2 pen young. In a class of 115 said by breeders and judges to be the strongest class ever exhibited at the N. Y. State Fair. Do you want some of this quality? It will win for you. I have several hundred head of choice cockerels and pullets now fit for showing. Write me for prices and say when and where you wish to exhibit.

NESCOPECK POULTRY FARM, S. H. Harter, Prop., Box W, **NESCOPECK, PA.**

Turner's Rose Comb Buff Leghorns

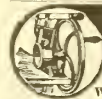
Blue Ribbon winners at large shows. 3 Grand Pens. Send for mating list. Eggs and Stock. Best R. C. Buff Leghorns in New England. Satisfaction Guaranteed.
EDWARD J. TURNER, Box E, **SPRINGVALE, ME.**

COLUMBIAN WYANDOTTES

Palace Winners 1913. Splendid exhibition and breeding birds for sale. Hatching Eggs.

Circular Free.

HORSESHOE POULTRY YARDS, **HICKSVILLE, N. Y.**



Crown Bone Cutter

Hens fed out green bone lay more eggs. Get a Crown Bone Cutter. Send to-day for catalogue. Wilson Bros., Box H27, Easton, Pa.

BEST MADE Lowest in Price



"IF CHICKEN CHOWDER won't make your hens lay, they must be roosters". Full particulars and 48-page Poultry Book free for the asking. **PURINA MILLS,** 817 So. 8th St., **ST. LOUIS, MO.**

THE EGG AND NEST HEN

Is the one you read about every week in **THE COUNTRY GENTLEMAN**

The farm weekly that is different. 5 cents the copy at all news dealers. \$1.50 the year by mail.

THE CURTIS PUBLISHING COMPANY

Independence Square, **Philadelphia, Pa.**

The Improved Champion Leg Band



Aluminum, numbered to suit. Post-paid 100-35c; 50-20c; 25-15c; 12-10c. Initial extra 10c per 100; 50 or less 5c. Circular free giving prices on Superior, Riveted and Pigeon Bands. Sample for stamp.



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GRANOCK FARMS S. C. WHITE LEGHORNS

WINNERS AT GRAND CENTRAL PALACE, BOSTON, BUFFALO AND PHILADELPHIA

Eight Weeks Old Chicks July 1st to Sept. 1st.

Cockerels 40 cents each.

Pullets 75 cents each.

Guaranteed True Selection.

Hatching Eggs—One-half regular price. Pens 1-3.

\$7.50 setting. Pens 4-6, \$5.00 setting. Pens 7-15,

\$2.50 setting. Guaranteed 100 per cent. fertile.

Pens 16-20, \$2.00 setting. Guaranteed 90 per cent. fertile.

Utility Eggs \$1.00 per setting, \$6.00 per 100, \$50.00

per 1000. Guaranteed 90 per cent. fertile.

Breeders at reduced prices. Send for Catalogue.

STEWART HADDOCK,

GRANOCK FARMS,

POUGHKEEPSIE, N. Y.

RED ORPINGTONS

The Latest Addition to the Orpington Family Described by Art Gilbert

This fresh branch was added to the Orpington Tree some four or five years back by their originator, Mr. W. Holmes Hunt of Hellingly, Sussex, England.

They were first exhibited and put before the public for sale three years back at the Crystal Palace Show, London, England, since which date my friend has had a hard job to breed enough to supply the demand. In a letter dated April 24th, 1914, he mentions that he has over 4,000 red chicks out on the farm, and reckons to finish his hatching for this season on or about May 24th, so he should have a nice lot to pick from, as in breeding true to color and shape they put out a percentage about the same as Buff Orpingtons or Rhode Island Reds, by which a great many of our readers will be fully informed, being breeders of one or the other variety mentioned.

Mr. Holmes Hunt's first idea of bringing out a red variety in the Orpingtons was caused by noting that the neck hackle and saddle hackle in the Black Orpington cockerels frequently came with the greater part of the feathers red, and that the feathers on the head between the comb and eyes also came red. From ideas he soon got into action, searching the countryside for Black Orpington cocks with red in as above, and Buff Orpington cocks and hens of a very dark shade. (Pretty well the right shade on the wings and neck.)

Two or three years' crossing back and forth with many pens of Buff and Black, as above, pretty well accomplished Mr. H. Hunt's desires with the exception that he could not get a good white leg color, also the skin was not quite fine enough for him; these points were finally remedied by introducing the old Red Dorking, both male and female, using the male Dorkings on the Buff Black pullets and hens, and Buff Black cocks and cockerels on the female Dorkings. With a couple of extra season's work thrown in on these lines the Red Orpington was actually made and good enough for exhibition and sale, thanks to the determination and pluck of Mr. H. Hunt, as they are not only a handsome variety, but also a really tiptop layer and non-beatable table fowl.

NOTICE TO SHOW SECRETARIES

The American Buckeye Club offers four special ribbons, one for each, best shape male, best shape female, best colored male, best colored female. The club also offers a silver cup for best pen provided there are two or more entries by different exhibitors. Competition open to members of the club. Dues \$1 a year should be sent to A. H. Weisberg, Secy.-Treas., Nevada, Mo. The club catalogue will be sent for four cents in stamps.

*** The good points of all varieties of Leghorns are described in our latest breed book "The Leghorns." Procure a copy by sending us one dollar ***

*** Twenty-five cents will secure for you a copy of "Reliable Poultry Remedies." Tells you symptoms of diseases and how to treat sick fowls ***

*** Do not delay—Send today for a copy of our Clubbing Catalogue, it saves you money on your magazines ***

URBAN FARMS PINE RIDGE BUFFALO, N. Y.

Ask for our 1914 Mating List of Prize Winning BLACK LANGSHANS, WHITE PLYMOUTH ROCKS, ANCONAS, HOUDANS, SILVER CAMPINES, MOTTLED JAVAS, BLACK TAILED WHITE JAPANESE BANTAMS and MILLE FLEURS.

CHAMPION ROSE COMB BLACK MINORCAS

Winners of the Blue at New York, Scranton, Chicago, Toronto and London. We offer all old stock for sale after June first. Write for prices they will surprise you. Eggs half price after May 20.

R. SWARTOUT.

R-2.

CAINSVILLE, ONT., CANADA

LITTLE'S ROSE COMB REDS

If you wish to improve your strain, send for mating list. Eggs at Half Price.

GEORGE W. LITTLE, 700 Washington St., SO. BRAINTREE, MASS.

= WANTED =

500 head of S. C. White Leghorns, one or two years old, also 500 head of Barred Plymouth Rocks, state what you have and your lowest cash price for the lot. Address

E. C. Wainright, 309 Catherine St., Red Bank, N. J.



MAPLEWOOD STRAIN S. C. White Leghorns Pekin Ducks

SPECIAL SALE. 500—S. C. WHITE LEGHORNS HENS—500

The noted Maplewood winning strain of S. C. White Leghorns. Prolific egg producers. Winners of many first and minor prizes at such shows as Greater New York, N. Y. State Fair, Greater Buffalo etc. In lots of 25 or more \$1.25 each. THIS is our annual clearance sale. Send your order today. Delay means disappointment. Still booking orders for baby chicks

Maplewood Poultry Yards, H. D. Hayner, Supt., Box W, Attica, N.Y.

WHITE FAVEROLLES

MADISON SQUARE GARDEN—Four Entries, Four Blue Ribbons.

BOSTON—Four Entries, Four Blue Ribbons.

We are now prepared to supply White Faverolles that will win in any show. The most wonderful producers of both meat and eggs. The greatest of all fowls. Get them early while the demand is greater than the supply. Eggs sold last season for \$20.00 per setting. The greatest opportunity presented to make money out of a new, a deserving, and a coming breed.

S. C. WHITE LEGHORNS—Cocks, Hens, Cockerels and Pullets. Birds to win. Write us your requirements.

DICTOGRAPH POULTRY FARM,

K. M. Turner, Owner,

WEST NYACK, N. Y.



"PITTSBURGH PERFECT" FENCING

NOW MADE OF OUR NEW, GENUINE

DOUBLE GALVANIZED WIRE

Our new galvanizing is heavy, smooth, flexible. It won't crack, flake, chip or peel off. It adds years of life to "Pittsburgh Perfect" Fences over any fence you have been able to obtain before now. This means money in your pocket and complete satisfaction.

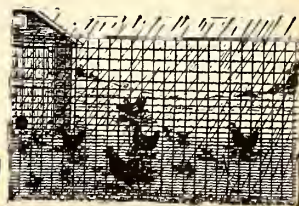
"Pittsburgh Perfect" Fences are greatest in STRENGTH, DURABILITY, ECONOMY, because they are made of tough, strong, durable Open Hearth wire, double galvanized, every joint WELDED BY ELECTRICITY. Easiest to erect. Look best. Sold under a positive guarantee. Cost no more than ordinary wire fencing. Ask your dealer for "Pittsburgh Perfect."

Write for new catalogue (sent free). Full of valuable fence information.

PITTSBURGH STEEL CO., PITTSBURGH, PA.

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Manufacturers of "Pittsburgh Perfect" Brands of Open Hearth Steel and Wire Products.



POULTRY WORLD AFFAIRS

The Pittsfield Poultry Farms Company have changed their business address from Pittsfield to Skowhegan, Me.

Frank O. Wellcome, Yarmouth, Maine, the inventor and manufacturer of the Ideal Trap nest, was recently appointed postmaster at Yarmouth.

The poultry work at the Washington State College has been placed in charge of Helen Dow Whittaker, a well known poultry woman of the Pacific Coast.

Geo. Webb, son of Geo. W. Webb, proprietor of The Genesee Cooping Co., Rochester, N. Y., was fatally injured in a motor cycle accident at Detroit, Mich., June 15.

Jno. C. Jodrey, well known breeder of Silver Wyandottes, formerly of Danvers, Mass., has returned to his native land and has taken up permanent residence in London, England.

William Halbach, son of H. W. Halbach, Prop. of Riverdale Poultry Farm, Waterford, Wisconsin, placed the awards at the summer poultry show held at Valley City, North Dakota.

H. P. Schwab, Rochester, N. Y., the well known breeder of Barred Rocks, sustained serious injuries when a spirited young team he was driving became unmanageable and ran away.

Geo. Peabody of Williamstown, Mass., according to press dispatches offers \$100 reward for the return of 2,370 Leghorn chicks and 150 ducklings that mysteriously disappeared one night recently. Auto thieves visited his place.

A modern Bantam Plant is under construction by Geo. C. Salmon of Port Dickinson, N. Y., well known as a breeder of Buff Cochins Bantams. Mr. Salmon has had 25 years experience in breeding Bantams and believes that when completed his plant will be without equal in the country.

Theo. Poole, Syracuse, N. Y., breeder of White Plymouth Rocks, has purchased a 20 acre farm at Dewitt, a suburb of Syracuse, and is now

doing business at the new location. This move was made necessary by the great increase in Mr. Poole's business during the last year.

The extensive operation of chicken thieves in Ontario Co., N. Y., has caused much apprehension among farmers of that section. The thieves are evidently provided with an automobile, and usually make a good clean up by taking the entire flock.

A fire entailing a loss of \$35,000 visited the feed mill of the Henry Steinmeich Co., St. Louis, Mo., recently. While the mill was totally destroyed, business will not be interfered with as a sufficient quantity of feed was stored in the company's warehouse to meet immediate demands.

On June 1st the leading pen at the Storrs egg laying contest was credited with 1,444 eggs, while the nearest contest had 1,394 eggs, or fifty eggs less. The high score is held by a pen of English Wyandottes owned by Tom Barron, and it is interesting to note that their lead which three months ago amounted to

THE EVERLAY FARM METHUEN, MASS.

Largest breeders of White Leghorns in the East.
Day Old Chicks, Eggs and Breeding Stock.

Wray Wyandottes Win
SILVER, GOLDEN, WHITE, PARTRIDGE
Wray Bros., Box 1942, London, Can.



MILLER'S SPANISH

Better than the rest. No more stock for sale until June. Eggs 1-2 price after May 15th.

FRANK MILLER,
Box W, CRESTLINE, O.

WARSAW COOPING CO.



Manufacturers of Exhibition Poultry and Pigeon Coops of latest improved design. We make a specialty of cooping Poultry Shows, at reasonable prices. Write for particulars.

WARSAW COOPING CO., WARSAW, N. Y.

Lisk's White Wyandottes

A fine lot of yearling males and females at sacrifice prices for quick orders. This is a great chance for you to get some of my Celebrated Winning and Laying Strain at a low cost. Write your wants,

FRED C. LISK, Box L, ROMULUS, N. Y.

MERIHUEW'S BUFF LEGHORNS

The 20th Century Egg Producers. Make another great win at Madison Square Garden, Dec. 1913. Utility Breeders, Show Birds and Eggs for sale. Write for mating list then be your own judge who has the best.

L. E. MERIHUEW, MARATHON, N. Y.

BUFF ROCKS

VIERHELLER BROS.,

VIERHELLER'S SUNBURST STRAIN

at the two last meetings of the American Buff Rock Club our Sunburst Strain have won the Club Championship Cup for best cock, hen, cockerel and pullet.

AT CLEVELAND, DECEMBER 3-7, 1913

at 1913-14 Club Meeting we won more firsts than all competitors combined. 1st pen, 1st cockerel, 1st pullet, also special for best display and other awards. EGGS for hatching from the finest matings ever put together \$3.00 per setting and up. Send for mating list.

71 Sylvania Ave.,

PITTSBURGH, PA.

CHRISTIE'S S.C. White and Brown Leghorns

Having been bred for fourteen consecutive years—represented all over the World—they stand today without an equal as egg producers, the foundation upon which all branches of the Poultry industry hinges. Before placing your order, write today for our illustrated catalogue, and read what thousands of our pleased patrons say in regard to the WORLD'S GREATEST LAYERS. "Better be right than sorry".

S. C. WHITE and BROWN LEGHORN CHICKS—\$15 PER 100

WAYNE POULTRY FARM, F. W. Christie, Prop., Box 67, STONY POINT, N. Y.

"SENSATION"

and RED PRINCE Strains of Rose and Single Comb Reds

Winners of 186 prizes at New York, Boston, and Providence, since December, 1909; including 31 firsts, \$50 cup for Display, Boston, 1912; Display, New York, 1912-13, and State Cup for Display for six successive years at Providence, R. I.

Eggs at "Sensational" Prices. AFTER JUNE 1st all eggs above and utility grade at HALF THE REGULAR PRICE. Plenty of time to Hatch Winners for the Winter Shows. Stamp for Mating List.

RED FEATHER FARM, F. W. C. Almy, Prop. and Mgr., Box 22, Tiverton 4 Corners, R. I.

131 eggs is being gradually cut down by a pen of American Leghorns. Owing to the uncertainty of the egg yield during August, September and October, we do not care to hazard a guess on the results.

—o—

The last Nebraska State Legislature appropriated \$6,000 for moving picture films showing the six principal industries of the state among which poultry is included. The work of preparing the films was left to Dr. G. A. Condra, who already has 2,000 feet of films showing pictures of the poultry industry.

—o—

Tom Barron, Catforth, England, who has achieved a reputation as a producer of heavy laying S. C. White Leghorns and White Wyandotte, is spending a few weeks on this side of the pond. Mr. Barrow was scheduled to give a talk each day at the recent field meeting held at the Connecticut Agricultural College, Storrs, Conn.

—o—

While some of the older poultry journals have been consolidating for the good of the cause or for some other good reason, possibly financial, new faces have been preparing for their debut. One of the most recent arrivals bears the title of "The Progressive Poultry Magazine". It is issued from Ft. Atkinson, Wisconsin, and volume No. 1 bears the date of June, 1914.

—o—

Geo. E. Noeth, Prop. of Manhattan Farms, Brighton, New York, suffered damages to his poultry and poultry plant amounting to several thousand dollars, when his places were inundated by a flood caused by a break in the banks of the Erie Canal. Fortunately a greater portion of Mr. Noeth's poultry including his Campines were on his large farm some distance in the country, where breeding operations are carried on and free range is available.

—o—

The Hon. W. W. Graves, Jefferson City, Mo., known to readers of this journal as a breeder of Cornish fowl, who is also justice of the supreme court of the state of Missouri, has been recommended by his colleagues, as a successor to Justice Lurton. In addressing the President the Missouri Bench speaks in the following lines of Judge Graves:

"Mr. President, no one can present to you a finer citizen, whose learning and culture will better measure up to the traditions of earth's greatest tribunal. His appointment will not only satisfy the pride of this imperial state, but will meet the just expectations of those who esteem the bench as the chief part of government and who hold to rigid views of judicial conduct and virtue.

*** Poultry house for all climates and all locations are fully described in "Poultry Houses and Fixtures." The most complete book ever published on poultry house architecture. Fifty cents per copy ***

HAWKINS' BARRED ROCKS

A recent letter from A. C. Hawkins, Lancaster, Mass., the well known breeder of Barred Rocks, advises that he now has young stock ready to win at the early shows. This should be good news for lovers of Barred Rocks as there is a general scarcity of early hatched birds this season. Another thing that should recommend this stock is the reputation behind them. For years Mr. Hawkins has been winning at New York, Boston, Chicago and other leading shows and for the past two seasons has won the sweepstakes championship at Chicago. All those who wish to purchase winning show birds and high class breeders should write Mr. Hawkins. His prices are reasonable and he has a fine free catalogue that he would like you to have.

ROSE'S BLACK ORPINGTONS

Hugh A. Rose, Prop. Brackendale Farms, Welland, Ont., Can., advises that he has surplus stock in Black Orpingtons, males especially, on which he is prepared to quote extraordinary prices. In the lot are many suitable for showing at the early shows, also some excellent breeders. The Rose Black Orpingtons are too well known to require any description here and readers that desire to strengthen their flocks or secure exhibition birds should write Mr. Rose at once for prices. He will appreciate it if A. P. W. is mentioned.

*** Saves you dollars—Our Clubbing Catalogue—Send a card today, sure ***

SILVER WYANDOTTE CLUB OF AMERICA

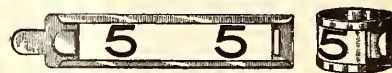
The Silver Wyandotte Club catalogue for 1914, which contains many valuable articles and illustrations, is now ready. The same will be sent free to all those interested. Address H. J. Goette, Secretary-Treasurer, St. Paul, Minn.

Indian Runner Ducks ENGLISH PENCILLED

At Buffalo International Show, 1914, I won three 1st and one 2nd on four entries. A few choice breeders and young drakes for sale. Catalogue free,

Sidney A. Woodcock, Box 52, Fredonia, N. Y.

Bourne "Bignum" Poultry Band



PATENT APPLIED FOR

Send two 1 cent United States stamps for sample and trial offer. Large numbers showing ten feet away. First to use numbers you can see. Best band out. Sizes for Bantams, Leghorns, Rocks and Reds. Black numbers from 1 to 100 indelibly printed on white, red, cherry, green, yellow, pink and light blue celluloid. Withstands weather and water. State size, color and numbers wanted.

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Sand's S. C. White Leghorns

the healthy, vigorous, hustling, laying kind. Foundation stock for commercial plants my specialty. Get your breeders now for next season. 300 yearling hens, 600 two year old hens \$1.00 each. Quality stock at hard times prices. LeROY E. SANDS, Box W, HAWLEY, PA.

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S. C. WHITE AND BROWN LEGHORNS

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THE FEATHERED WORLD

9 Arundel Street,

Strand, London, England

THE IMPORTANCE OF GOOD CARE DURING THE MOULT

By W. A. Wolford

(Continued from page 751)

and those not wanted for the next season's layers or breeders should be disposed of; they will dress off better at this time and will pick easier, than later on. If kept until later on they may bring a trifle more per pound, but the increase is hardly worth taking into consideration after the additional cost of keeping them the extra time is considered. Then again it is not advisable to try and market them during the moult as they will be found in poor condition and it is also almost impossible to dress them properly on account of the pin feathers.

Those specimens selected for breeding purposes should not be urged to lay by any stimulating rations, but on the other hand should be fed moderately until the approach of the breeding season when a more liberal ration may be given, but under no circumstances should it stimulate or force egg production, on the other hand for the best results the breeders should arrive at laying condition naturally if fertile eggs are to be had.

It might not be amiss to say something here in regard to the care of the males intended for next season's breeders. They should be kept apart from the balance of the flock at this time and if possible should be placed in roomy, well ventilated colony coops on a good grassy range. The coops should be without floors and be moved from day to day keeping them on fresh turf at all times. Feed and water regularly and note carefully at each visit the condition of the specimens as the care of the individuals may have to be varied to some extent. If you find it impossible to give the individual care try and separate them from the females in some manner. Their presence in the general flock at moulting time is undesirable as they worry the hens and also damage themselves. Put them where they will forget the existence of the female.

An early moult is desirable providing it is not too early and it is not forced in any way. Personally I like to see the birds start to drop their feathers in August, then the moult is usually completed by the arrival of the cold and wet fall weather and the birds come through in better condition. When the moult is delayed until October or November, there is usually much trouble from colds and kindred complaints and some times heavy losses unless the poultryman is on the job early and late.

When the moult takes place earlier than above mentioned or is forced in any way there is liable to be a second moult later on, that is, it has been my experience that a large number of the extra early moulters will lay a few eggs and then go into a second moult, and instead of a good January egg production from our hold overs we find ourselves with a lot of moulting hens on our hands. Rather than allow such specimens to complete

this second moult I think it advisable to market them as soon as they show indications of moulting again.

Some authorities advance the theory that it is a good plan to select the specimens that moult first each season as breeders, as by following this practice the early moulting characteristic will soon be established in the entire flock. Of this I am not so sure as I think there are many factors that influence the time of moult. If these factors or conditions could be controlled absolutely, we could no doubt establish an early moulting period that would return regularly year after year. It is nevertheless a good plan to select those that moult first as breeders as this in itself is in most cases an indication of vigor and stamina. On the other hand those individuals that moult slowly and at best make a bad job of it should be discarded as it is evi-

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Exhibition and Utility. Stock for Sale.

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WHITE ORPINGTONS

International Champions

WHITE ROCKS

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Fred A. Andrewes, Proprietor

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WHITE WYANDOTTES S. C. RHODE ISLAND REDS

Winners at the leading shows of the U. S. and Canada. Our record at Madison Square Garden and Boston is sufficient proof of quality. At Boston, Jan. 1914 the White Wyandotte show of America, our White Wyandottes were awarded 1-5-6 Cock; 1-2-4 Hens; 3-6 Cockerels; 1-2 Pullets; 1-3-5 Pen. For complete winnings this season on Wyandottes and Reds, also prices on eggs and stock, write

RUSSELL FARM, 437-W. Jarvis St., TORONTO, ONT. CAN.

The Best S. C. White Leghorns in America



1st Cock, Palace, 1912

Buy your stock and hatching eggs from the breeder that produces the goods.
"Actions speak better than words".

Send for catalog and mating list, and mention American Poultry World.

Dune Alpin Poultry Farm, Geo. J. Kerr, Mgr., Box 561-W, East Hampton, N. Y.

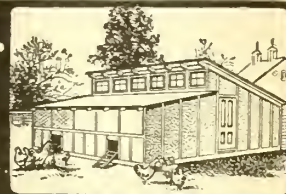
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\$78.00 buys all the material for this Chicken House, planned by the Dept. of Agriculture. Size, 20x14 feet. Our price includes lumber, mill work, roofing, hardware, wire netting, staples and painting material. Other designs of outbuildings and 116 designs of residences shown in our "Book of Modern Homes No. 9345A"—free on request. Sears, Roebuck and Co., Chicago, Ill.

* * * "The Leghorns" is the title of our newest book. Contains just the information that Leghorn breeders desire. Send one dollar for a copy***

dent that they are lacking in the above essentials, without which they are useless as profit producers.

The above are the points that only the most progressive poultry raisers take note of. I dare say that if you ask the average poultryman what majority of his hens completed the moult quickly, he would be unable to answer.

I know of no other time during the life of a hen that vigor in various degrees is so easily distinguished as during the moult. If you missed some of the weak ones in your early culling now is the time to get them. If you have never given this point any thought make it a point this season to spend considerable time with your flock during the moult and study their condition. You will be surprised how much you can learn about the strength and vigor of the various individuals that make up the flock.

Every thing one does around a poultry plant should be done for a definite object. Make the objective point during the moulting period, the condition of your flock. At no other time do you have the opportunity to learn so accurately the physical condition of each individual specimen. Make the best of the opportunity by observing closely all conditions as they then exist and if it is done in the proper manner with the right spirit you will be greatly benefited and much better fitted to apply intelligent care in your methods of poultry keeping.

EAGLE BAY FARM

Early in July the writer spent a very enjoyable day at Eagle Bay Farm, Silver Creek, N. Y. This farm is beautifully situated on the south shore of Lake Erie and is owned by Wm. R. Heath of Buffalo, N. Y. It consists of some 200 acres of very productive soil and is under a high state of cultivation.

A very select herd of registered Holstein cattle are maintained for the purpose of supplying a superior grade of milk to discriminating buyers. While at this point I desire to say that milk at Eagle Bay Farm is produced under conditions that are as sanitary as it is possible for human endeavor to make them. The dairy contains all the latest and most approved appliances and machines for handling and bottling of milk and although the dairy is not as yet certified this bit of official sanction could not improve the quality of the product.

In addition to the dairy and of equal if not of greater importance is the poultry plant, occupying about 20 acres. The poultry are in charge of F. A. House, an experienced poultryman and graduate of the Cornell Poultry Husbandry course. The plant is maintained for the purpose of supplying fancy table eggs, eggs for hatching, and day old chicks and the varieties kept are S. C. White Leghorns and R. C. and S. C. Rhode Island Reds. The plant consists of a large laying house 200 feet long, a breeding house, brooder house, feed room, incubator cellar, and numerous well constructed and roomy colony houses for the growing chicks. At the time of my visit there were over 1500 adult birds and 4,000 chicks on hand and I must say that their fine condition reflected much credit upon Mr. House's ability as a poultry man. A change in the brooding system was made during the past season by installing three Simplex Brooder Stoves and Mr. House pronounces them satisfactory in every way, in fact the condition of the chicks would testify to this.

The colony houses are arranged at one side of a vineyard and the chicks allowed free range under the vines making ideal conditions under which to make vigorous and rapid growth.

Unless decidedly bad luck is experienced there should be a goodly number of pullets for disposal this fall, also many cockerels suitable for breeding purposes for next season. Owing to the rapid development of the growing stock it will be necessary to dispose of a large number of breeding birds in order to have the houses ready for the pullets at an early date. I infer that these birds will be moderately priced and as they are of the vigorous, healthy bred-to-lay kind, A. P. W. readers in need of breeders or laying stock should write today for prices.

One commendable feature in the construction of the large laying house was the roosting tables. These were portable and set out from the back of the house a sufficient distance so that the attendant could work from either side. Another feature was the nesting arrangement in one part of the house. Mr. House had made some changes here to meet his own ideas, and had removed the nests from underneath the dropping boards and installed a battery of his own construction in the center of the pen. An illustration of these nests will be found on another page in this issue.

The houses were very clean and I don't think I ever saw a flock of Leghorns as docile as these, notwithstanding the fact that several other strangers were passing through the pens, there was no excitement and one could almost pick up the birds without causing a stir. This is unusual in a flock of Leghorns and no doubt the method of care has something to do with it. It is things like this that add to the pleasure of a visit to a poultry plant. —W. A. W.

WILLOWS POULTRY FARM

The Willows Poultry Farm, Frank E. Hering, Prop., South Bend, Ind., announces that they have winners in both S. C. White Leghorns and Silver Campines now ready for the fall fairs. An-

nouncement is also made that when customers desire it the birds will be fully conditioned for exhibition. Full pedigree will accompany each bird. Interested readers should address as above and mention A. P. W.

FOR SALE

My breeders of Silver Duckwings; S. C. Buff Leghorns; Silver Penciled Rocks and S. C. R. I. Reds. Some show birds also. Write at once to (Sec-Treas. National S. C. Buff Leghorn Club) THOS. PEER, CALDWELL, N. J.

For High Quality **BARRED ROCKS** at Moderate Price
My birds will be mated January 1st and after January 10th I will have eggs for hatching.

Write C. H. BOSCHEN, ASHLAND, VA.
STILLWAGEN'S SINGLE AND ROSE COMB REDS
Eggs now half price. Breeding males and females at bargain prices.

Write
Frederic H. Stillwagen, 38 So. 7th St., Allentown, Pa.

Armer's Buff Rocks Have been winners this Fall and Winter at many of the big shows.
At Madison Square Garden, Dec. 26th to 31st, 1913 1st and 3rd cock, 1st and 4th hen, 1st and 4th pullet, 3rd Pen. Write for mating list.
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Cochin Bantams also Black Rose Comb Bantams
Winners at Hanover, Allentown, Hagerstown, Paterson, Grand Central Palace, Philadelphia, Madison Square Garden and Baltimore. First year showing. Stock and Eggs for sale.
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Eggs \$1 per 15, \$6.50 per 100. Special pen one-half price. Rose and S. C. Brown and White Leghorns, Barred Rocks, Reds, and White Wyandottes. Catalogue.

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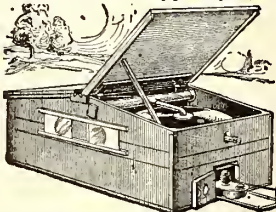
White Plymouth Rocks Baby Chicks. The famous south shore soft roaster strain. Price during July, August and September, \$12.00 per 100.

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WIGWARM Brooder

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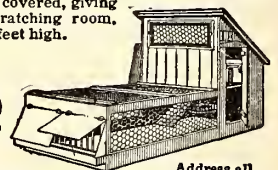


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for 12 Hens Fitted complete with nests, fountain and feed trough. Sanitary—easily cleaned. One man can easily care for several hundred birds. Nicely painted—set up in 15 minutes. A comfortable year-round house. In stormy weather the run may be covered, giving a protected scratching room. Size, 10x4 ft., 5 feet high.



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CAPON
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DOUBLE PRICES

On the market capons bring double price and are cheaper and easier to raise; they require less feed and less care.

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Philadelphia, Pa.

EGG PRODUCTION INCREASED BY PROPER SELECTION

By T. E. Quisenberry,
Director Missouri State Experiment Station,
Mountain Grove, Mo.

(Continued from page 753)

shelled eggs in the body cavity. They had developed and passed from the oviduct to the body cavity instead of being laid in the natural way. The body cavity was filled with these eggs. Six were removed and the incision sewed up, and at the present time, the hen seems to be in good health. Just what the outcome is going to be, we cannot tell, but the hen appears to be healthy and happy. We believe the operation is going to be successful, and result in saving the life of a valuable hen. However, it may prove to be another case of where "the operation was a success, but the patient died". This is the third similar case that we have had with Black Langshans. The other two hens died before we discovered the real trouble. But we operated on this one and several days have passed and the hen seems active, healthy and happy. The external stitches have been removed and the wound healed and the hen is apparently well at this time.

CONTEST REPORT FOR JUNE

We have 1,040 hens in the contest and 425 of them were confined to broody coops sometime during the month of June. This cut our egg yield to 16,430 eggs for the month which now makes the grand total of 106,579 eggs. Our pens have all made good general averages as a rule. But there has been no startling or sensational record thus far, and we are glad it is so. Nothing tends to discredit really helpful work more than these sensational and almost unbelievable records, even though they be absolutely true.

The White Leghorns from England are still gaining each month. They have made the best monthly record for five months out of seven. Someone said the whole secret of winning in an egg laying contest was in having your birds ready to start off the first month with a lead and that was the only reason the English birds won in our contest last year.

This statement is not borne out by the facts in either of our three contests. The pen which won the first year, did not get an early start, but did well in later months. The pen which won last year made a gradual gain over competing pens each month in the year. The pen this year which is leading has made a gain every month and its success is not due to its start, but to its breeding and capacity for laying. In our opinion, it is selection and breeding which means more than anything else.

The pens which are bred for egg production make much better use of their food than other pens. The pens which lay the most eggs usually consume a little more feed, but we also find less droppings upon the dropping boards in pens which lay best.

This has proven true in all the weights and tests which we have made of the droppings.

The ten highest pens for the seven months are as follows:

(Each pen is composed of ten pullets)
Pen 0, S. C. White Leghorns, England, 1569 eggs.
Pen 47, S. C. Reds, Missouri, 1,333 eggs.
Pen 79, S. C. White Leghorns, Pennsylvania, 1,309 eggs.
Pen 65, S. C. White Leghorns, Missouri, 1,277 eggs.
Pen 18, White Wyandottes, Pennsylvania, 1,271 eggs.
Pen 70, S. C. White Leghorns, Missouri, 1,248 eggs.
Pen 9, S. C. White Leghorns, Pennsylvania, 1,244 eggs.
Pen 53, Barred Plymouth Rocks, Illinois, 1,201 eggs.
Pen 51, White Plymouth Rocks, Arkansas, 1,196 eggs.
Pen 38, White Orpingtons, Pennsylvania, 1,192 eggs.

The highest hen of each variety which has laid 150 eggs or over is as follows:
Hen 05, S. C. White Leghorn, England, 171 eggs.
Hen 456, R. C. Red, Missouri, 158 eggs.
Hen 180, White Wyandotte, Pennsylvania, 154 eggs.
Hen 864, Barred Plymouth Rock, Michigan, 153 eggs.
Pen 236, Silver Wyandotte, Missouri, 152 eggs.
Pen 476, S. C. Red, Missouri, 150 eggs.

The best pen record made thus far by representatives from the different countries is as follows:

Woodcrest Partridge Wyandottes

My Catalogue tells of their unrivaled record at Madison Square Garden and Boston

Chas. H. Wood, 340 Main St., Worcester, Mass.

Whitney & McEwan, breeders of
"LORDS BUFF WYANDOTTES"
EGGS from the same matings as we use for ourselves \$5 and \$10 per setting. Send for mating list and winnings at the Big Albany, 1913, Show.
WHITNEY & McEWAN. ALBANY, N. Y.

O. L. HILL, SHELburn, IND.

Originator and Breeder of "Eclipse" White Wyandottes
Write me your wants and I will send you my prices and catalogue giving full description of my stock. We also breed a fine line of Black Cochins Bantams.

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I have a large number of extra choice Cockerels — "Raven Blacks" will add quality to your flock. Write your wants.
FRED C. GABRIEL, Box W, SOUTH BEND, IND

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S. A. HUMMEL

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EL-CO-VA FARM WHITE WYANDOTTES :: S. C. ANCONAS ::

Best Matings \$5.00 per setting of fifteen eggs. Second best matings \$3.00 per setting. Two settings \$5.00. Third best matings \$2.00 per setting. Three settings \$5.00. Anconas utility eggs \$3.00 per hundred. Winners Buffalo, Philadelphia Albany, Yonkers and Poughkeepsie.

EL - CO - VA FARM, Elias C. Vail, Owner, VERBANK, N. Y.

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A friend and guide for poultry raisers. Tells you just what to do under all circumstances. Helps you over all the difficult places. Insures you the richest success. 244 pages—7½x10 inches—of money-making facts.

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Written by poultry experts. Based on actual experiences on Cyphers \$75,000 Poultry and Demonstration Farm. Send for this book today. Apply its rules, suggestions and discoveries to your poultry business and make this your banner year.

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Cyphers Company 1914 book describes, shows pictures and gives prices on every poultry need. Each article carries Cyphers warranty and is guaranteed to give satisfaction.

Ask us to send with the 1914 book our two valuable books, "Poultry Foods and Feeding" and "Cyphers Company Doctor Book." The Doctor book is new. Informs you instantly the name of any disease and the remedy. Don't wait until your fowls are sick. Be prepared, get this book, save money. We will send all three together free of charge. Write today.

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Oakland, Cal., 2127-2131 Broadway
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Roosting Paper
Spray Pumps
Powder Guns
Wire Fencing
Bone Cutters
Chick Markers
Bone Mills
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Poultry Books
Etc., Etc.

S. C. White Leghorns made best English record, 1,569 eggs.
 S. C. Reds made best United States record, 1,333 eggs.
 S. C. Reds made best Missouri record, 1,333 eggs.
 S. C. White Leghorns made best Vancouver Island record, 1,177 eggs.
 S. C. White Leghorns made best New Zealand record, 1,130 eggs.
 White Wyandottes made best Ontario record, 1,095 eggs.
 S. C. White Leghorns made best British Columbia record, 1,057 eggs.
 S. C. White Leghorns made best Australian record, 1,041 eggs.
 S. C. White Leghorns made best South African record, 918 eggs.

The ten pens which made the highest record for June were largely White Leghorns. Two New Zealand pens laid 221 and 226 eggs respectively, one of them being next to the English pen for the month. Pen 65 from Missouri laid 226 eggs; No. 72 from Iowa, 224 eggs; No. 69 from Kentucky, 221 eggs; No. 70 from Missouri, 219 eggs; No. 79 from Pennsylvania, laid 215; No. 61 from Nebraska, laid 214; all of the above were White Leghorns. Pen 44, S. C. Black Minorcas from Missouri, and pen 57, White Rocks from Texas, were next with 212 eggs each.

"ROYAL REDS"

In a recent letter F. E. Harrison, Menominee, Mich., originator of the "Royal Red" strain of S. C. R. I. Reds, speaks very enthusiastically on his prospect for quality reds this year. He advises that at the present time he has 3,000 head of young stock of all ages, some now weighing over four pounds and that they give every promise of being the best flock he has raised in his 12 years' experience. At the present time they are enjoying the free range of 80 acres of farm land on which there are over 100 colony houses for their accommodation.

During the next two months Mr. Harrison will conduct a special half-price sale and will offer several hundred cocks and hens at prices that will pay prospective buyers to investigate. All these bargains are listed in a special sales list that he has just issued and which he is desirous of sending free to all A. P. W. readers interested in S. C. Rhode Island Reds. Mr. Harrison also writes that in his opinion he does not think there is any breeder in America in better position than he, to furnish winners for the fall fairs and early shows. All he asks is the opportunity to tell you what he has to offer and quote his special prices. If you will write today addressing F. E. Harrison, Box A, Menominee, Mich., he will send you a copy of his special sales list, also a copy of his beautiful catalogue.

SUMMER SALES LIST

The summer sales list of Yama Farms, Napanoch, N. Y., contains many attractive bargains in both S. C. Black Minorcas and Barred Plymouth Rocks. Among the males offered for sale are prize winners at last season's New York State Fair, Madison Square Garden and Buffalo shows.

These birds have all been used in the breeding pens during the past season and their value in this direction is well known. For those who desire to secure high class breeders for next season here is a grand opportunity. Better drop them a line today and request a copy of this list.

SPRATT'S FEED

Now that the show season approaches and the young stock is nearing maturity careful feeding is required to finish them off properly. This not only applies to birds intended for exhibition but also for the early layers. For many years Spratt's feeds have enjoyed a reputation of fulfilling both requirements. For further information, samples and prices write Spratt's Patent, Ltd., Newark, N. J. Be sure to mention A. P. W.

PEDIGREE BREEDING FOR HEAVY EGG PRODUCTION

By R. A. Richardson, Haverill, Mass.

(Continued from page 746)

layers, I only speak from my own 14 years' experience. It has been said by different writers at different times that it was not necessary to use trap nests, that all that was necessary to do was to select the earliest matured pullet each year. I want to contradict this false impression in this article as life will be too short to even make any progress under this system. My record keeping has shown me that it is not always the earliest matured pullet that makes the best record. I have had pullets that matured in September that were hatched in the middle of April that did not lay more than 130 eggs a year. I have also had pullets that did not mature until January 10th, that have laid over 230 a year. As a rule we find the smaller pullets are the ones that mature the earliest and if we should practice such a system of breeding we would soon ruin our strain in size. Anybody who breeds by the trap nest system, for a number of years, from his best layers, will have no trouble in maturing the majority of his pullets in five to six months.

In closing this article I want to say that the laying contests have been a great factor to encourage each breeder to breed for better layers and these laying contests should be encouraged, they have illustrated without a doubt, that there are hens that will lay 280 eggs and over. Before the laying contests if a trap-nest breeder claimed that he had a hen that laid 270 or 280 eggs it was generally branded as a lie.

TOMPKINS' REDS

Among others to make a favorable report on the past season's hatching operations Lester Tompkins, Red specialist, Concord, Mass., writes as follows: "I have a great flock of chickens out this year, I think about the very best I have ever looked at. We have about 2,400 running now and 60 hens due to hatch out the first of the coming week, which will give me my pullets for the winter shows as they are all on eggs from my very best matings and look in every way like bringing a good hatch."

As Mr. Tompkins annually produces many prominent winners, there should be a surplus of good ones in the large number and those of our readers who desire a few of the quality kind should write Mr. Tompkins at once and have reservations made. The lot includes both Rose and S. Combs of the noted "Sensation" and "Red Prince" Strains. Many winners each season carry these blood lines and it is a good plan to prepare now for the coming shows by securing a few birds. When writing kindly mention AMERICAN POULTRY WORLD and state exactly what you want and what you expect to pay.

THE IMPROVED CHAMPION

As the chicks develop they should be given some identifying mark that will make their identity easy and sure later on and obviate the bother of handling each individual when it is desired to select certain specimens. For this purpose there is nothing better than a good leg band. Among those that are used extensively is the Improved Champion, manufactured by T. Cadwallader, Box 1412, Salem, Ohio. A postal addressed as above will bring free circular and prices. Better ask for it today.

ANDERSON'S R. C. RHODE ISLAND REDS
 Again win at Central Palace Show and Greater Philadelphia, six regular prizes besides shape and color specials. A grand lot of youngsters to dispose of that will improve your flock at right prices.
ANNESLEY M. ANDERSON, Box W, MORTON, PA.

READ OUR GUARANTEE

Save work, feed and expense, also keep your chickens free from lice all the year round. Send for free catalog containing full information regarding our complete line of poultry accessories. It's free for the asking. Address, **SIMPLEX SUPPLY HOUSE, Pontiac Bldg., CHICAGO, ILL.**

Huston's "Ideal" Barred Plymouth Rocks
 are proving their ability to win at Poultry Shows all over this broad land. Look up their new records made this year at Hagerstown, Md., Allentown, Pa., Williamsport, Pa., and Harrisburg, Pa. I can sell you breeding cockerels at \$3 to \$10, females at \$2 to \$5. Write me.
JAMES T. HUSTON, Box L, WILLIAMSPORT, PA.

Dr. Hess Poultry PAN-A-CE-A

can be used as a tonic and conditioner. Guaranteed to make poultry healthy—make hens lay—help chicks grow and shorten moulting period. Only costs 1 cent a day for thirty fowl. Sold by reliable dealers everywhere.
DR. HESS & CLARK, Ashland, Ohio

DARROW'S WHITE ROCKS

Will put you among the winners. Order eggs now—\$3.00 per 15. Stock for sale.

E. B. DARROW, Box W, WILLIAMSPORT, PA.

Silver Penciled Wyandottes

For Choice Stock Write

HOARCE HAVEMEYER, STAMFORD, CONN.

Bean's Columbian Rocks Win

I can furnish your requirements in exhibition birds or breeding stock at prices that will astonish you. Write for descriptive circular.
F. G. BEAN, COLLEGEVILLE, PENNA.

HOWLAND'S BUFF WYANDOTTES

Win at Madison Square Garden, 1911-12-13. Eggs from 4 choicest pens \$5.00 per 15 eggs. Satisfaction guaranteed.

STUART A. HOWLAND, GRANVILLE, N. Y.

The Best Oat Sprouter on the Market

\$6 All Metal. No Lamps.

B. Monroe Posten, Pottstown, Pa.

Smith's Single Comb Black Minorcas

My wonderful record of all 5 first prizes in a quality class at Boston, Jan. 12-17, 1914 proves conclusively that I have the quality flock of America. Better prepare for next season by securing some of this winning blood—Several choice cockerels for sale. Send for descriptive catalogue.


Wm. A. Smith, Box 536-W Metuchen, N.J.

THE MARK OF POULTRY QUALITY
 The Tywacana Farm Indian Head signifies hardy, vigorous bird of great laying ability.

TY-WA-CANA
 White Leghorns, Barred and White Plymouth Rocks have years of utility breeding back of them. They are large, beautiful, thrifty and profitable birds.

Write for catalogue.
Tywacana Poultry Farms Co., Box 60, Farmingdale, L. I., N. Y.





Look Out

for Chicken Thieves!

Examine your birds and see if lice are not robbing your poultry of health and vitality, and yourself of profits. Get the Old Reliable

LAMBERT'S

DEATH TO LICE POWDER

(6) It knocks these thieves out quick. Will not injure eggs, hens or chicks, nor soil plumage. Sold in 10c, 25c, 50c and \$1.00 sizes. Latest copy of Lambert's "POCKET BOOK OF POINTERS" for 2c stamp.

KLEIN-LAMBERT CO., 507 Traders Bldg., Chicago

THE MEANING AND THE APPLICATION OF THE TERM SYMMETRY

By Frank E. Hering, South Bend, Ind.

(Continued from page 745)

specimen. In this case, a credit for symmetry would be simple justice. Again, a departure from standard in one or two points might possibly be such as not seriously to effect the general appearance—"seen at a glance"—and thus not seriously mar the symmetry of the bird. But even if occasional individual hardship were entailed, the fine appearance of the flock where the birds are all symmetrical is a strong argument in favor of encouraging by a special credit that "unity and conformity of the members to the whole" which is known as "symmetry".

ONE-HALF PRICE

Every reader should turn to page 3 this issue and read the most wonderful clubbing offer made in many seasons. Seldom is such an opportunity offered to obtain all that is best in poultry literature. The four magazines included in this offer are recognized leaders and either one is worth many times the price asked for the four to the poultry raiser who desires to keep abreast of the times by keeping in touch with every advance made in poultry culture. Even though you are now a subscriber for one or more of the magazines named do not let it deter you from taking advantage of the opportunity as your subscription will be dated from the expiration of the paper now being received. As there will be a change in the clubbing prices of many papers this fall this offer may not appear again, therefore, immediate action is necessary. The old adage "a dollar saved is a dollar earned" applies here,—you save a dollar by ordering now.

TURTLE POINT LEGHORNS

Turtle Point Farm, "the home of Leghorns", Saratoga Springs, N. Y., in the change of copy in this issue announces that as they have decided not to exhibit at any of the fall shows they are in a position to extend rare advantages to their customers in the selection of exhibition stock. They report a very good hatching season particularly so in regard to early chicks in all six varieties of Leghorns bred on the farm. There is also a large number of old birds including many New York and Boston winners. These are all described in a special cut price list that will be sent free upon application. If you haven't had a copy of their beautiful 48 page catalogue describing and illustrating the farm you better ask for it when writing for the sales list. Both are free. It will benefit all concerned if you will mention A. P. W. when you write.

HOW TO GET IT

Often readers desire to purchase some article either new or second hand or wish to exchange some article, poultry, etc., for some other article and do not know how to go about it. Let us help out by explaining that if you do not see the desired article or exchange advertised just place a small ad explaining your wants in our classified columns for a month or two and you will be surprised to learn how many people have just what you are looking for. The cost is small, only 5c per word, which is insignificant when the time saved in locating the desired article is considered. Try the next issue and see how promptly these little business getters get down to work.

*** Send for a copy of our new Clubbing Catalogue, now ready for mailing ***

HOW TO SELECT THE BREEDING STOCK

By H. L. Goodwin, Farmington, Me.

(Continued from page 747)

For whatever purpose breeding is carried on only those birds which have bright, perfectly colored eyes, properly shaped bodies and properly colored plumage in all sections, should enter the breeding pens. An imperfection, however slight, is likely to be exaggerated in the progeny, and only perfect birds, or those as nearly so as can be obtained, should appear in either half of the pen. Begin to cull early and keep everlastingly at it, is a good rule to observe.

'ALL YOU CLAIM FOR IT'

That "Oculum" is becoming well established among poultry raisers is apparent from the testimonial letters published in these columns from time to time. Here is one from a California user:

Petaluma, Calif., June 26, 1914.
The H. L. Co.,
Salem, Va.

Last January I wrote you asking for the agency of your "Oculum". I received a one dollar bottle, which I gave a severe test with sick hens and did not lose one. I know it is all you claim for it and I can sell it too if you want agents.

Enclosed find two dollars. Please send another bottle and let me know if you want agents, and oblige,

Yours respectfully,
J. E. Skinner.

INDIAN RUNNERS AND WHITE LEGHORNS

Readers interested in either of the above varieties should write A. Fisher, R. F. D. 2 W, Canastota, N. Y. In a recent letter Mr. Fisher advises that he never had a finer lot of chicks and ducklings and that he was prepared to fill orders promptly for both exhibition and utility stock. He particularly emphasizes the quality of his Indian Runners, both White and Fawn and White.

Quality Buff Rocks

EGGS AND FOWLS

W. J. Wiberley, Peekskill, N.Y.

LLENROC REDS - GREAT SUMMER SALE

We must sacrifice a large number of breeders to make room for our 800 hen hatched chicks. \$30 trios \$15 - \$50 pens \$25. Individual birds, cocks, cockerels; hens and pullets at half price. Eventually "Llenroc Reds" Why not now. All stock farm raised. Write today.
HOUCK & ALT, 87 Fuller St., BUFFALO, N. Y.

Morgan's Black Langshans and Rose Comb White Leghorns

Exhibition and utility stock for sale. Write for our free price list.

Morgan Bros., Dept. 4, W. Alexander, Pa

BUFF WYANDOTTES

YOUNG STOCK FOR SALE
UTILITY AND FANCY

We won A. P. A. Grand Prize Medal for Best in American class at last New York, Palace Show,
THEODORE S. HEWKE, MIDDLETOWN, N. Y.

PRUYN'S SILVER WYANDOTTES

WIN First Pen, First Cockerel, Special Best Silver Wyandotte Male, Fifth Hen at Grand Central Palace. Four Firsts, Four Seconds, Three Thirds, Two Fourths and Seven Specials at Yonkers. Send for mating list. Have some choice cockerels to spare.

JOHN W. PRUYN, Gray Oaks, YONKERS, N. Y.

TILTON'S DEEP WINE REDS

That have type, brilliancy and lustre. At Rockingham a clean sweep—1st and 2nd Cockerel, 1st and 2nd Hen, 1st Pullet and 1st Pen. Cup for highest scoring Cockerel, Rose and Single competing. At Weymouth 1st and 2nd Pen and highest scoring pair in American class. I have bred the blue ribbon winner at Boston, at Maine State show, at Memphis, Nashville, Rockingham, New York, Brockton Fair 6 times, at Chicago, at many other smaller shows, which places my Reds second to none in shape and color. They will breed more show birds to the 100 than any other strain. I especially invite those who have been disappointed either in stock or eggs to give me a try. I have scores of satisfied customers which is proof that they make good. Stock and Eggs for sale.

A. F. TITLON, S. C. R. I. Red Specialist,

ROCKLAND, MASS

IVES' LANGSHANS

"A GOOD STRAIN OF A GOOD BREED"

Consistent winners at the largest shows for many years. Elegant big COCKERELS NOW at very reasonable prices.
PAUL B. IVES, "Bonnycroft" GUILFORD, CONN.



GET OLD TRUSTY BOOK FREE
Started half million people making big poultry profits. A B C of chicken raising, 3 or 4 times as many Old Trusty incubators in use as any other. Write today.
JOHNSON INCUBATOR MAN, Clay Center, Nebraska

MAMMOTH BRONZE TURKEYS

Also high class Columbian Wyandottes and S. C. Buff Leghorns; Indian Runner and Rouen Ducks. Write your wants to
A. G. BARLOW, Box W, MEDINA, N. Y.

Mapleglen Farms S. C. Reds (Tompkins and Scranton Inc.)
We have a grand lot of cockerels and will price them right to move them now.

J. S. BERGH, JACKSON CORNERS, N. Y.

UTILITY the watchword of Galen Farms, breeding operations for years. The result is Gibson Strain White Leghorns Barred Rocks and R. I. Reds—practical, profitable birds, Chicks, eggs and breeding stock for sale. Write for Catalogue.
GALEN FARMS, Drawer D, CLYDE, N. Y.

R. C. Black Minorcas Exclusively

WINNERS at all leading shows in America. Have won more 1st and 2nd at Madison Square Garden than any other exhibitor or breeder. Show and breeding stock for sale. Mention A. P. W.
T. A. McKITTRICK, Hudson, N. Y.



COLORLED BANDS
All colors, all sizes, Big Black figures on white back ground, samples 2c. stamp.

A. P. Spiller, Dept. B, Beverly, Mass

"Slades" Imperial Pekin, and Fawn and White Indian Runner Ducks

Blue ribbon winners wherever shown. Eggs \$2.00—\$10.00 per 100. Satisfaction guaranteed.
JOHN SLADE, MALVERN, PA

\$8.50 Buys 150 Egg Incubator and 150 Chick Metal Brooder
An astonishing offer. Why pay more? Quality guaranteed—satisfaction assured or money returned. Write for details.
Rockford Incubator Co., Box 12, Rockford, Ill.

S. C. Brown Leghorns

Our strain is famous the country over for the splendid size, handsome color and shape, and wonderful winning qualities, at such important shows as Madison Square Garden, Chicago, Kansas City and many others; defeating all Eastern breeders. Send for free Illustrated Circular "Twenty-Eight Years With S. C. Brown Leghorn".

Williams Bros. & Brace, Fullerton, Calif



Conducted by William C. Denny

"ON TO BUFFALO"

"On to the Greater Buffalo Poultry Show" will be the slogan of poultrymen the coming season. The splendid success of last year's show and the standing of the men behind the show has established the Greater Buffalo Poultry Show as a national exhibition.

Thirty millions of people are within twelve hours ride of Buffalo, making it convenient for a large number of exhibitors and buyers to attend. All of the leading express companies enter the city, enabling the exhibits to be shipped direct to the show room without delay or transfer. Buffalo has every requirement as a city for holding a national poultry exhibition. C. S. Wetmore, a prominent White Wyandotte exhibitor says: "Judging by last year's show and my knowledge of the plans for your coming exhibition, the 1914 Greater Buffalo Show will be one of the four big national shows of the United States and being an early show, Thanksgiving Week, it will be one of the best exhibitions for selling stock".

Prominent poultrymen attending the 1913 exhibition pronounced it "one of the season's best" in the appearance and arrangement of exhibits, in the personnel of exhibitors and judges, in the quality of birds and as a sales exhibition. Percy A. Cook, of Wm. Cook & Sons, Scotch Plains, N. J., the noted Orpington expert, who was an exhibitor at the 1913 show writes "Your 1913 exhibition was without doubt the best show that I attended during the past season. * * * It would be impossible to find a better building for an exhibition than the Auditorium. It was also an excellent show for sales, and our splendid winnings have brought us a great deal of business".

This year's show dates are November 23-28 (Thanksgiving week). Information and premium list, which will be ready for mailing October 1st, can be had by addressing Wm. C. Denny, Secretary, Buffalo, N. Y.

WILLIAMSPORT, PA., November 17-18-19-20, 1914

Through the solicitation of a great many exhibitors throughout the East, the management of the Williamsport Poultry Show have brought their 1914 dates forward one week, making them Nov. 17, 18, 19 and 20th. For years the big shows have confined their dates usually to late December and January, while in many instances the wide-awake and progressive breeder would prefer to show not later than January first. In all probability he would welcome the opportunity to make his big showing at a November exhibition, thus avoiding the frosted combs and bad conditioned birds caused by the severe weather that usually prevails after December 1st.

The policy of the Williamsport show has always been to maintain a low entry fee, and to provide liberal cash and cup prizes. During the past six years Williamsport has been the "Mecca" for the poultrymen from almost every state in the Union and Canada, for here year after year many fancy sales are made by large and small breeders.

Mr. Geo. J. Hanks, Secretary, would be pleased to correspond with all prospective exhibitors, giving them desired information. Premium list will be mailed October 1st, and as an entire new mailing list is now being prepared, names should be sent in at once in order to secure a copy.

Many members of the A. P. A. have expressed the desire that the State Meet be held in connection with the Williamsport show, thus creating, early in the season, an interest that

will be of lasting good throughout the poultry show period.

The President, Mr. James T. Huston, and the Secretary announce the following judges:—Henry P. Schwab, Irondequoit, N. Y.; Richard Oke, London, Ont.; Charles Nixon, Washington, N. J.; J. C. Punderford, Freneau, N. J.; F. I. Bradford, Troy, Pa.; Henry D. Riley, Stratford, Pa.

THE ONE BEST POULTRY SHOW

The Great Allentown Fair, which is one of the half dozen biggest and best fairs in America, holds annually in connection with its exhibitions a poultry show that is unique in its nearness to fulfilling the claim of being the "one best poultry show".

Certainly, it has many things no other fall fair poultry show has, and practically everything the best winter shows can have or do have. It has adopted for its slogan the words "Noted for the Way it Does Things and the Things it Does", because it has originated and put into practice many new ideas and methods as regards poultry exhibitions. Has done this fearlessly and knows no favored exhibitors; strictest impartiality and fairness for all. The smallest breeder as an exhibitor has a full, fair show with the biggest and is equally welcome. No officer, no employee, no judge can show a single bird in competition.

Big prize monies; finest selling and advertising possibilities. Few or no other shows pay the prize monies Allentown does, and being one of the biggest and oldest fairs in the United States, the opportunity to make sales, to advertise and gain prestige are extraordinary and unusual. Remember the dates and plan to show and to attend. Attendance is absolutely unnecessary if not convenient or possible. Three day show only and everything is done with business push and clock like precision.

Begins Tuesday noon, September 22nd, and ends Friday noon, Sept. 25th. Entries close midnight, Friday, Sept. 11th.

W. Theo. Wittman again in charge. By special arrangement it has been made possible for Mr. Wittman to continue in charge and all letters regarding the show should be addressed to him, Mt. Gretna, Pa. For premium list readers will address the Fair Office, Allentown, Pa.

1914 JUDGES AT ALLENTOWN

Following their usual custom of making a complete change of judges every two or three years, Allentown presents practically a complete new list of judges this year.

Allentown can afford to and does pay for the best judges and no judges are taken on because they work cheap or for nothing. The list embraces fourteen judges as follows: Chas. D. Cleveland, Eatontown, N. J.; Geo. H. Burgott, Lawtons Station, N. Y.; Louis Paul Graham, Collingswood, N. J.; Aug. D. Arnold, Dillsburg, Pa.; A. Fred Kummer, Butler, Pa.; T. F. McGrew, Scranton, Pa.; F. W. Corey, Mohegan, N. Y.; M. C. Richardson, Front Royal, Va.; Chas. T. Cornman, Carlisle, Pa.; Geo. L. Young, Brooklyn, N. Y.; Rudolph Weissfurth, Philadelphia, Pa.; William Eulinger, Phila., Pa. The premium list will give the general assignment of these men as to classes and varieties, but this may be varied from considerably as occasion or needs may arise.

TRENTON FAIR

The Trenton Fair Poultry Show, this year to be held Sept. 28-29-30-Oct. 1-2, will be under entirely new management, Harvey E. Rogers, President of the Mercer County (N. J.) Poultry Association, having accepted the management. Mr. Rogers has had considerable

Pratt's Boston Winners White Rocks . . . White Wyandottes
Winners at Madison Square Garden, Boston and the Great
Brockton Fair. Large, vigorous cockerels for sale. I
guarantee satisfaction or no sale. Send for mating list.
C. W. PRATT, NORTH ABINGTON, MASS.

ROSE COMB BROWN LEGHORNS
First Prize Winners at Easton, Allentown, Bethlehem and
Nazareth. None better. Some choice cockerels and pullets
that can win, very reasonable. Eggs for hatching from
pens containing winners \$3 per setting.
FEHR & STROHL, R. R. No. 3, EASTON, PA.

WHAT EVER YOU NEED IN REDS**ADDRESS**

C. E. RILEY, 749 Fillmore Ave. BUFFALO, N. Y.

SINGLE and ROSE COMB REDS

Eggs for hatching or day old chicks from an established strain with an established record. Write to-day for circular.

RED POULTRY YARDS, Box W, BETHELEM, PA.

NORRIS S. C. BROWN LEGHORNS

Birds of Quality. First prize winners at Rochester, N. Y., Allentown, Easton and Lebanon, Pa., and Morristown, N. J. Stock for sale. Now booking egg orders. Chas. J. Norris, Sub Station, Phillipsburg, N. J.

ACME WHITE WYANDOTTES

Are bred for merit. Sold on honor. They win; they lay. Trap-nest used 365 days in the year. A trial convinces.

J. HARRY WOLSEFFER, R.F.D. No. 5, VINELAND, N. J.

FAIR VIEW WHITE ROCKS

Prominent winners east and west. Great summer sale now on. Write today.

GUY DAILY, Box G. JEFFERSONVILLE, IND

W. J. Caines, Box 64, Richmond, Va.**SPECIALTY JUDGE**

All varieties of CORNISH and GAMES.

Correspondence Solicited.

Wendell's
SANITARY POULTRY SUPPLIES
INCUBATORS, BROODERS, NON-FREEZING
FOUNTAINS, FEEDERS, OAT SPRUTERS
AND 60 MORE LABOR SAVING ARTICLES
FOR THE PRACTICAL POULTRY MAN
GET OUR BIG FREE BOOK ADDRESS
WENDELL INCUBATOR CO. HOLLY, MICH.

S. C. WHITE LEGHORNS

Sunnyside S. C. White Leghorns are my hobby, have bred them for years on free farm range from carefully selected matings until today they stand second to none in standard qualities and egg production. Let me tell you about them or better still let me fit you out with a select pen. Some choice breeders both male and female at reasonable prices.

ONCE You Try Sunnyside Leghorns, NO OTHERS SATISFY
G. L. WHEELER, Box W., PENN YAN, N. Y.

TAFT WHITE ORPINGTONS
[Imported]
Win at Hagerstown and Greater Buffalo. Stock and Eggs for sale. Catalogue Free.
Taft Orpington Farm, Collins, N.Y.

Congdon's Barred Rocks**Bred for Utility and Beauty**

Write your wants in Cocks, Cockerels, Hens, or Pullets. \$2,000 invested, 20 years' experience. **INCUBATOR EGGS, \$5.00 per 100, \$40.00 per 1,000.**

NEW BOOKLET FREE

W. A. CONGDON,

Box 404,

WATERMAN, ILL.

show experience, being Secretary of 1911-1912 Trenton Winter shows, held by the Trenton Poultry and Pigeon Association. The Trenton Fair offers a very attractive list of cash specials in addition to the regular premiums which are very liberal. An entire new list of judges will officiate. Messrs. Schwab, Punderford, Wolsieffer and Minich will place the awards. Prize money will be paid the last day of the show. Send for premium list to Harvey E. Rogers, Supt., 1520 East Clinton Ave., Trenton, N. J.

AUGUSTA, GEORGIA

The Augusta, Georgia, Poultry Association has been their custom in former years will co-operate with the Georgia-Carolina Fair Association and hold their annual exhibition in connection with the fair on October 19 to 22 inclusive. The association has the backing of a competent set of officers and it is anticipated that the coming show will eclipse all former efforts. The Secretary, H. W. Cameron, is now ready to supply information to all prospective exhibitors and will forward copy of premium list, now in hands of printers, as soon as completed. The association has a large cash balance and all premiums will be paid before the close of the show.

COLUMBUS, GA., POULTRY ASSOCIATION

The above association has passed through three successful shows and has made a record of paying all premiums promptly. Last year 64 silver cups, ranging in value from \$25 to \$100 each, were awarded and \$1,000 paid in cash premiums which is a remarkable record. This year it is proposed to do even better and committees are already at work preparing the premium list and many good things are in store for those who show at Columbus. Competition is open to the world, and the next annual show will take place Nov. 16-21, 1914. For full information write Jno. S. Jenkins, Secretary.

ILLINOIS STATE FAIR POULTRY SHOW, SEPTEMBER 18-26, 1914

The premium list of the great Illinois State Fair will soon be ready for distribution. Every poultry breeder and fancier should have one. The Illinois State Board of Agriculture say the attractions this year will be greater than ever. Over \$100,000 will be paid in premiums. Mr. George Cooper of the State Board has again placed the department in charge of O. L. McCord, Peoria, Ill. Mr. McCord has been in charge of the department for a number of years and needs no introduction to the poultry public. Through his efforts he has made the exhibit at the State Fair one of the high class poultry exhibits of the country.

The poultry department, as in the past, will be one of the leading features of the fair. Illinois is fortunate in having one of the best poultry buildings in the United States. The department is cooped with the beautiful Empire Coops; all fowls will be taken care of and handled by expert poultrymen, men who have had experience in handling large poultry shows.

Two large tents will be furnished by the State Board for the meeting place of the American Poultry Association, Specialty Clubs and School of Instruction. Mr. Franklane L. Sewell, one of the leading poultry artists of the country, will be in attendance at the fair. The judging will be done in one day, by a number of the leading judges, leaving the exhibitors free the balance of the week to advertise and enjoy the fair. For further information regarding the Poultry Department, address O. L. McCord, 929 Jefferson Bldg., Peoria, Ill.

FRANTZ'S CAMPINES

Readers interested in Silver Campines should look up the advertising of W. C. D. Frantz on page 783 of this issue. Mr. Frantz has a number of early hatched cockerels and pullets for disposal and is prepared to quote attractive prices to prospective buyers. The quality of the stock will be apparent when Mr. Frantz's show record is taken into consideration.

SUMMER EGG LOSS CAN BE PREVENTED

The season of spoiled eggs is here, and the usual number of disagreeable surprises at meal time will combine to induce the housewife to purchase other staples instead, thus creating a big slump in the demand and market price for eggs. Hence, the producer suffers and mostly on account of his own lax methods of egg handling and poultry management.

While it is true that the marketing of eggs probably would result more satisfactorily if handled through the creameries and cheese factories, nevertheless, J. G. Halpin, college of agriculture, University of Wisconsin, believes that with only a little more consistent attention to details in managing poultry, the average farm egg output would be of far more value.

The farm egg basket is often kept in a warm place and only taken to market at such irregular times as deemed convenient, and little or no care is given to protect the eggs from the hot sun while enroute. Too often in the grocery stores "an egg is an egg" and frequently all consignments are bulked together and passed on to the consumer ungraded and untested.

Again, under loose methods, broody hens are allowed to remain on the nests, and at times eggs from stolen nests are placed in with the others. The temperature in the poultry house, together with poor ventilation, tend to start incubation or affect the flavor of eggs. Careless handling results in cracked eggs which decay quickly and injure the keeping qualities of eggs placed in close contact with them.

IMPROVED CHAMPION LEG BAND

T. Cadwallader, Box 1412, Salem, Ohio, manufacturer of Improved Champion Leg Bands, in his change of copy in this issue has made a sweeping reduction in the price of leg bands. Every poultryman has use for these little necessities and the reduction of prices should make hundreds of new friends for the Champion Leg Band.

KLINGBEIL PARTRIDGE ROCKS *The Great FANCY and UTILITY Strain.*

Winners at New York, Boston, Providence and other leading shows. Bred in line for greatest value. Baby Chicks. Some fine breeding Pens and Cockerels for sale. I can please you. Write for mating list. PLEASANT VIEW FRUIT AND POULTRY FARM. WALPOLE, MASS. Paul Klingbeil, Prop., Secretary and Treasurer Partridge Plymouth Rock Club.

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1914

1915

Under this heading, we shall endeavor to publish a complete list of the shows to occur during the season of 1914-15. Secretaries should favor us with dates selected, names of judges, also correct any errors that appear in the dates as published.

ARIZONA

PHOENIX, State Show—Dec. 23-26.

ARKANSAS

HOT SPRINGS—Nov. 16-21; W. W. Wales, Sec.

CALIFORNIA

SACRAMENTO—Nov. 2-7; C. A. Wilkins, Sec.

SANTA CRUZ—Nov. 11-14; E. J. Harlan, Sec.

SAN MATEO—Nov. 12-15; Arthur R. Schroeder, Sec., San Gregorio.

WILLOWS—Nov. 18-21; Otto F. Schuchard, Sec.

OAKLAND—Nov. 24-29; Chas. G. Hinds, Sec.

PASADENA—Dec. 1-5; M. D. Cartright, Sec.

MODESTO—Dec. 2-5; A. D. Roberts, Sec.

SAN FRANCISCO—Dec. 8-13; W. H. Ingrain, Sec.

PORTERSVILLE—Dec. 15-17; E. D. Fawcett, Sec.

LOS ANGELES—Jan. 6-12; H. H. Mumford, Sec.

CONNECTICUT

SOUTH NORWALK—Nov. 23-26; Chas. Petty, Sec.

HARTFORD—Dec. 8-11; Warren Hayden, Sec.

CANADA

TORONTO—Canadian Industrial Exposition—Aug. 29-Sept. 14; J. O. Orr, Sec.

GEORGIA

AUGUSTA—Oct. 16-19; H. W. Cameron, Sec.

COLUMBUS—Nov. 16-21; J. S. Jenkins, Sec.

ILLINOIS

CAPRON—Dec. 30-Jan. 4.

INDIANA

VINCENNES—Dec. 7-12; E. W. Determan, Sec.

THORNTOWN—Dec. 14-19.

KANSAS

FORT SCOTT—Dec. 8-11; C. S. Frantz, Sec.

OLATHE—Johnson Co. Poul. Assn., Dec. 7-12, 1914; E. R. Prather, Sec.

KENTUCKY

LEXINGTON—Jan. 4-9.

LOUISIANA

SHREVEPORT—Nov. 4-11; L. N. Brueggerhoff, Sec.

LAKE CHARLES—Nov. 23-28; H. K. Ramsey, Sec.

ALEXANDRIA—Dec. 9-13; W. H. McCrackin, Sec.

MARYLAND

HAGERSTOWN—Oct. 13-16; W. F. Spahr, Sec.

BALTIMORE—Jan. 6-10; J. M. Sessions, Sec.

MASSACHUSETTS

BROCTON—Sept. 29-Oct. 2; F. W. Rogers, Sec.

BEVERLY—Nov. 17-19; Harry McKean, Sec.

ATTLEBORO—Nov. 18-21; Henry Sibley, Sec.

HOLYOKE—Dec. 2-4; Geo. Barnett, Sec.

CHELSEA—Dec. 3-5; B. P. Nichols, Sec.

MILFORD—Dec. 9-12; W. H. Pyne, Sec.

NEW BEDFORD—Dec. 9-11; Dr. S. D. Perry, Sec.

SPRINGFIELD—Dec. 15-18; W. C. Roraback, Sec., P. O. Box 1226.

NORWOOD—Dec. 16-18; E. D. Baker, Sec.

GLOUCESTER—Dec. 16-18; B. H. Thornberg, Sec.

BOSTON—Jan. 12-16; W. B. Atherton, Sec.

WORCESTER—Jan. 12-23; W. H. Tilton, Sec.

MICHIGAN

BATTLE CREEK—Dec. 7-11.

DETROIT—Jan. 20-26, 1915; J. A. Turner Sec., Lansing, Mich.

MINNESOTA

HAMLINE—"State Fair"—Sept. 7-12; J. C. Simpson, Sec.

MISSOURI

KANSAS CITY—Jan. 11-16, 1915; E. L. Noyes, Sec.

NEW YORK

NEW YORK STATE FAIR, Syracuse—Aug. 31-Sept. 5; W. H. Manning, Supt.

ROCHESTER, Industrial Exposition—Sept. 7-12; E. F. Edwards, Sec.

GLOVERSVILLE—Nov. 9-15; A. L. Watson, Sec.

BUFFALO, Greater Buffalo Show—Nov. 23-28; W. C. Denny, Sec.

NEW YORK, Palace Show—Dec. 1-5; L. D. Howell, Sec.

ROCHESTER, Flower City Show—Dec. 7-12; J. W. Chapman, Sec.

BATAVIA—Jan. 11-16, 1915; Lee Folger, Sec.

SCHENECTADY—Jan. 12-16, 1915; H. J. Fuller, Sec.

NEW JERSEY

TRENTON—Sept. 28-Oct. 2; M. R. Margerum, Sec.

PATERSON—Nov. 18-21; Dr. Gilbert G. Johnston, Sec.

BAYONNE—Dec. 9-12; W. Whatley, Sec.

CALDWELL—Dec. 10-12; Chas. H. Schlaefer, Sec.

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Saratoga Springs, N. Y.

A. E. BROWN, Sec'y.

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POULTRY SHOW

SEPTEMBER 22, 23, 24, 25, 1914

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W. THEO. WITTMAN, Poultry Show

NEW HAMPSHIRE

CONCORD—Dec. 8-11; Herman C. Bailey, Sec.

OHIO

CLEVELAND, Forest City Fair—Aug. 20-27; H. J. Kline, Mgr.
GIBSONBURG—Nov. 24-27; L. C. Hoover, Sec.
TOLEDO—Nov. 30-Dec. 4.
SPRINGFIELD—Jan. 10-14.
PIQUA—Jan. 11-16; Geo. W. Ellerman, Sec.
DAYTON—Jan. 11-17.
WADSWORTH—Jan. 12-16, 1916; Chas. H. Ries, Sec.

OREGON

PORTLAND—Dec. 8-12.

OKLAHOMA

MUSKOGEE—Nov. 30-Dec. 5; A. G. Harmon.
HOLLIS—Dec. 3-5; B. B. Bell, Sec.

PENNSYLVANIA

ALLENTOWN, Great Allentown Fair—Sept. 23-24; W. T. Wittman, Supt.
RIDGEWAY—Nov. 17-20; C. O. Romick, Sec.
WILLIAMSPORT—Nov. 17-20; Geo. J. Hanks, Sec.
MOHNTON—Nov. 26-29; J. H. Fichthus, Sec.
BIGLERVILLE—Dec. 1-4; O. C. Rice, Sec.
POTTSVILLE—Dec. 8-12; R. O. Umholtz, Sec.
WEST FAIRVIEW—Dec. 8-12; C. S. Smith, Sec.
MCKEESPORT—Dec. 14-19; W. N. Sales, Sec.
BERWICK—Dec. 28-Jan. 2; R. S. Hartman, Sec.
WARREN—Dec. 28-31, 1914, & Jan. 1-2, 1915; L. E. Conroy, Sec.
SELLERSVILLE—Dec. 30-Jan. 2; E. R. McCork, Sec.
JOHNSTOWN—Jan. 12-16; W. S. Krise, Sec.

SOUTH CAROLINA

CHESTER—Dec. 9-11.

TENNESSEE

CHATTANOOGA—Dec. 7-12; F. C. Rose, Sec.

TEXAS

FT. WORTH—Oct. 10-17, 1914; E. Curran, Sec.
DALLAS, State Fair—Oct. 15-30; Walter Berton, Supt.
HONEY GROVE—Nov. 17-19; W. C. Morris, Sec.
ARLINGTON—Nov. 17-19; W. J. Pulley, Sec.
AUSTIN—Dec. 2-5; Mrs. M. D. Carr, Sec.
CLEBURNE—Dec. 8-11; Edw. S. Clayton, Sec.
NEW BRAUNFELS—Dec. 10-13; Alex Forks, Sec.
ROCKDALE—Dec. 16-19; Mrs. D. H. Sanford, Sec.

VIRGINIA

RICHMOND—Nov. 24-27.
ROANOKE, Great Roanoke Fair—Sept. 22-25; J. P. Flippo, Sec.

WASHINGTON

SPOKANE—Dec. 15-19; Mrs. H. A. Klussman, Sec.
TACOMA—Dec. 29-Jan. 2; J. A. Caddey, Sec.

DO WE NEED AN INTERNATIONAL BUTTERCUP CLUB?

By H. W. Dewey, Sidney Centre, N. Y.
The last annual meeting of the American Buttercup Club was followed by a storm of protests, and the writer was strongly urged to head a movement looking to the formation of a new club.

This is the first time I have publicly mentioned this fact, and I do so now, only to add that I positively and vigorously refused to head such a movement, or give it any encouragement. I felt that the thing for me to do was to stand by the A. B. C., and I was right. The American Buttercup Club today is one of the most successful of poultry organizations.

But though I refused to be enrolled as a kicker, I did say that after the storm was over, and everything again moving smoothly along, that I might favor organizing an international club, not in opposition but in support of the A. B. C., and in support of World Buttercup interests. My suggestion was passed on to a few friends in England, and now comes word that an International Club is being formed by Eng-

lish breeders, and we are asked to aid the movement. What shall be our reply?

In a letter to a prominent English Buttercup breeder, I said:—"I believe that American breeders will generally favor, and generously support an International club, if they can be assured that the new organization will work in harmony with the American club, and favor a uniform Standard for all countries". I understand that one purpose of the International is to maintain a uniform Standard. It seems that some English breeders favor an English Buttercup Standard. Surely a greater mistake could hardly be made. I am in receipt of inquiries for Buttercups from all parts of Europe, also from South Africa and Australia.

A moment's reflection should convince us that we need a uniform Standard for all countries, else how shall we hold foreign trade?

Our English friends who favor an English Standard are not opposed to working with us, but they are impatient because we are so slow in fixing and publishing a Standard that shall be permanent. They want to know "where they are at", and we can not blame them. If we get busy, and decide upon a Standard that is reasonable, within time that is reasonable, our work will be approved, but if we delay, other countries will make their own Standards, and endless confusion will follow. Without much doubt, an International Buttercup Club will soon be a fact, and without much doubt the new organization will send delegates to meet with the A. B. C. next winter. Everything should be ready to settle the Standard question permanently. I am strongly of the opinion that a Revision Committee should meet before the date of the annual meeting, and that A. O. Schilling should be asked to meet with them. Mr. Schilling can help us to clearly express what we wish said, and he can offer valuable suggestions. As Mr. Schilling is to judge Buttercups at the New York State Fair, perhaps a meeting might be arranged for that time.

Returning to my subject, I wish to say that in my judgment, the time is ripe for an international organization. With such a club working in harmony with the American club, World wide Buttercup success would be assured. With the International and the A. B. C. working together, double Standards would be out of the question.



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QUESTIONS AND ANSWERS

EDITORIAL NOTE—This department will be devoted to answers to questions of general interest on practical poultry topics asked by subscribers and addressed to Editorial Department, AMERICAN POULTRY PUBLISHING COMPANY, Stafford Bldg., Buffalo, N. Y. Answers in this department are free of charge. Where two or more persons ask substantially the same questions, only one answer will be given. In asking questions try to send full information. The subscriber's name and address must be given [not for publication]. If a reply by mail is desired, be sure to enclose stamped addressed envelope.

DEPLUMING MITES

Q. What can I do to destroy the depluming mite which is on a few of my fowls, the top of his head having become bare? F. E., Minn.

A. If you are positive that the loss of feathers is due to the depluming mite the following preparation applied to the affected areas should effect a cure: 1 dram creolin, 2 oz. of glycerine, ½ oz. of alcohol, ½ oz. of water. Shake well until thoroughly mixed and apply by rubbing it into the skin. Repeat once or twice a week until a cure is effected.

WHAT ARE THUMB MARKS

Q. Kindly answer through the columns of A. P. W. what are thumb marks in the combs of males? I have some cockerels, twelve in number, hatched from eggs that I purchased from a prominent breeder. Some of their combs are folded in front otherwise they are fine. Would this fold be termed a thumb mark? Are they serious defects for breeders or exhibition stock? Do you think they will straighten out as they grow older? C. H., New York.

A. The American Standard of Perfection defines a thumb mark as "A disfiguring depression which sometimes appears in the side of a single comb". It is considered a defect and is penalized not less than one point when applying the score. I am inclined to believe that your birds are still quite young, therefore it is almost too early to determine how seriously these combs are affected. You should procure a copy of the American Standard of Perfection and by studying it carefully you can determine what constitutes defects. Copies can be supplied from this office postpaid for \$2.00.

HENS DYING

Q. As a subscriber to AMERICAN POULTRY WORLD I would like to have you give me some advice and a remedy if you can. I have S. C. White Leghorns and for the past three weeks have lost several. They first become droopy, comb turns pale and they become very dumpish. Last evening in catching one I chased her a little and she became exhausted and died in my hand, after gasping a few times. I made a thorough examination of the windpipe and found nothing, liver and intestines appeared normal, but the heart seem to be encased in a bag of water. F. M., Ohio.

A. It is very hard to determine at long range the cause of trouble in cases of this kind. The fact that your examination disclosed the internal organs, except the heart, in normal condition and that the pericardium or heart sack was filled with water would lead me to suggest that the trouble is Pericarditis or dropsy of the heart sac. The cause of this disease has never been determined, therefore treatment is impossible. It may be from exposure to cold or dampness or confining the birds in unsanitary houses.

SORE EYES—CONJUNCTIVITIS

Q. In accordance with your offer in the questions and answers department I am writing you for help in a chicken ailment. The only trouble I have had this season is sore eyes. Sometimes it seems to make the chick sick, but usually the trouble seem to be localized. The inside of the eyelid appears to be the seat of the trouble. A cheesy substance forms inside the eye, usually, the eye becomes closed. Sometimes they die in a few days while others linger for several weeks. In this climate this often accompanies sore head or chicken pox, but I haven't had a case of that yet. Someone called it catarrhal sore head. It is quite possible that the disease attacks the linings of the head and throat. I have had a case or two where this cheesy substance collected in the

throat and choked without a sign of them being sick otherwise. Have been using permanganate of potash in the drinking water. If you can help me to the cause and cure I shall be very grateful. Mrs. J. J. H., Louisiana.

A. There are various causes for complaints of this kind, the most

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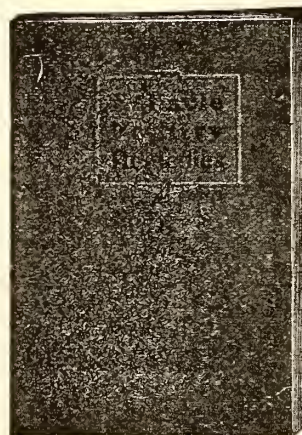
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common of which is the introduction of some foreign substance into the eye. It is often found in brooder chicks when chaff or cut straw is used for litter. Small particles of the beards or heads get into the eye and inflammation follows with the results you describe. Catarrhal colds often result, likewise a slight inflammation of the mucous membrane of the nostrils often cause swellings sufficient to close the sinuses of the nasal cavity causing the extension of the inflammation to the membranes surrounding the eye. The swelling is usually first noticed just forward and below the eye. Exposure to draughts, unsanitary surroundings are also contributing factors. To treat these cases wash the substance from the eyelid and bathe with a saturated solution of boracic acid. (It may be obtained from your local druggist). Continue the permanganate of potash in the drinking water, also see that your houses and runs are kept thoroughly clean. It might be a good plan to thoroughly disinfect them. I would also suggest that you treat your entire flock as directed on page 706 of the July issue, this treatment is said to prevent sore head and you know it is the ounce of prevention that pays in the end. Those showing throat affliction probably had canker, due to some injury to the membranes of the mouth and throat.

EARLY MOULTING

Q. I notice that large numbers of my hens are moulting, some now have nearly a new coat of feathers. As these hens are not laying would you advise sending them to market while they are in good condition? J. J. C., Mass.

A. By all means keep all these early moulters, they will be worth their weight in gold later on. All that go through the moult in good condition at this season make good layers this fall when price of eggs are aviating. Separate these early moulters from the balance of the flock and give them special care in order to bring them to laying condition as early as possible. I think it safe to predict a large number of them will go into a partial moult after laying a clutch of eggs, if they do, send them to market as soon as the feathers begin to drop.

MISSHAPEN EGGS

Q. I have a very valuable hen that lays imperfectly shaped eggs. I have set several of them, but all have been infertile. On account of her fine quality I would like to get some chicks from her. Can you advise me what to do? M. A. C., Ohio.

A. Your experience has been like many others that have tried to incubate such eggs and it is a wise provision of nature that they are infertile as it would only perpetuate this very undesirable characteristic. My advice would be to dispose of this hen by making a dinner out of her. She may possess prize winning quality and perhaps be a winner, even so, you cannot consistently advertise her when you know she is a non-producer. It would be almost like procuring money under false

pretences to sell eggs on the strength of such winnings.

900 HENS

LeRoy E. Sands, Hawley, Pa., whose specialty is heavy laying S. C. White Leghorns, announces that he has 900 breeding hens that will be disposed of at \$1.00 each during the next thirty days. For those that desire to establish a laying strain here is a grand opportunity to secure foundation stock. All Mr. Sands' breeders have to earn a place in the breeding pens by establishing a record of 200 eggs or better during their pullet year. Therefore when you purchase this stock, both the quantity and quality is known. Better write him today for prices. Buy now and get them through the moult in good condition and they will pay for themselves in one month's laying.

SURPLUS OF YOUNG STOCK

Red Poultry Yards, Chas. Ziegenfuss, Prop., Bethlehem, Pa., announces that they have an unusually large number of early hatched birds, both Rose and S. C. Reds, and find it necessary to dispose of a number owing to the lack of housing accommodation. They also have some old stock including Allentown, Camden and Buffalo winners for disposal. For quick buyers prices will be made remarkably low. This looks like a good opportunity to secure some winning stock for both early and late shows. Prospective buyers should write at once and be sure to mention A. P. W.

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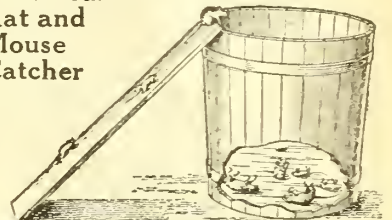
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The Warren Poultry Farm, owned and conducted by Mr. T. M. Bost, breeds exclusively high class Single Comb White Leghorns. The results Mr. Bost has succeeded in obtaining by his methods of brooding are simply marvelous to the average poultryman and beyond comprehension to the uninitiated poultryman.

His plant is located on a beautifully situated farm, just rolling enough to be well drained and within a stone's throw of Wise, a station on the line of the Seaboard Air Line Railroad in Warren County, N. C.

The incubator cellar, with feed room above, is constructed of cement, 34 feet wide and 64 feet long, which is of sufficient size to accommodate incubators with a capacity of 20,000 eggs. It is not yet fully equipped, although the incubators contained at the time of the writer's visit 6,000 eggs from choice breeders, there had been hatched already this season 12,934 chicks. The brooder house is 45 by 300 feet, with 12 rooms or sections cut off for the brooder proper, each section being 16 by 25 feet and each capable of taking care of 2,000 chicks, making a total capacity of 24,000.

Mr. Bost has chicks from one day old to eight weeks old, in flocks of 1,200 to 2,000 in one compartment and they are as healthy and as vigorous as it seems possible for them to be.

The breeding house contained at the time of the visit only about 3,700 birds, a good many having been disposed of in trying to meet the demand. They have an ideal free range of about twenty acres, fifteen of which are in woods.

This, is to us, one of the greatest secrets in Mr. Bost's success in being able to brood such large flocks of chickens. They have the stamina and vigor from their parents which immunize them from disease and permit them to develop more rapidly.

The kind of trade which this farm enjoys is also an interesting feature.

While the proprietor caters more particularly to the fresh egg market and utility stock for breeding purposes, he has sold a great many birds which have taken blue ribbons in the strongest competition. During the last twelve months he has disposed of about 1,700 yearling hens, 1,600 cockerels, 7,000 pullets, 5,000 day old chicks and 100,000 eggs for hatching. "The American people", it is said "like to be humbugged". It is probably true that there are hundreds of so-called poultrymen who are making a living out of the gullible public, but it is the opinion of this writer that you should not go to the Warren Poultry Farm unless you want a square deal and full value for your money.

We cannot close this letter without referring to the gracious treatment of Mr. Bost and his charming wife to the writer upon the occasion of his visit. The courtesy and hospitality extended constitute a memory most pleasant. We found Mr. Bost to be a Southern gentleman in the best sense of the word, ready to give you any information in a frank and straight-forward manner, with nothing to conceal or evade. He typifies business and courtesy.—C. N. Gary.

S. C. BUFF AND DUCKWING LEGHORNS

Under date of July 14th, Thos. Peer Caldwell, N. J., breeder of Single Comb Buff and Duckwing Leghorns, advises that he has some exceptionally fine young stock in either variety that will be ready for showing by August 15th. These birds will be very reasonably priced as he has many later hatched birds that will be in fine condition for the winter shows the early hatches must be disposed of to give them the necessary room.

Mr. Peer also states that he has a fine pen of Silver Penciled Plymouth Rocks that he would like to close out. The pen consists of one male and nine hens, and he is prepared to quote bargain prices to any one interested in this variety. When writing Mr. Peer it will be appreciated if you will mention A. P. W.

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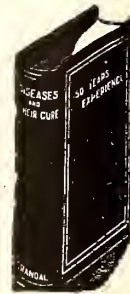
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